

								601744, 601975
HODEC78	1008299	379	1 - 1209	2554	Arg-1 to Cys-8, Ala-11 to Thr-22, Pro-87 to Leu-99, Lys-120 to Glu-144, Leu-179 to Lys-200, Glu-212 to Lys-221, Tyr-280 to Arg-287, Lys-292 to Gly-299, Val-314 to Ser-320, Pro-322 to Pro-340.	H0615: 2, L0766: 2, L0755: 2, L0471: 1, H0356: 1, T0023: 1, L0761: 1, L0794: 1, L0787: 1, L0789: 1, H0519: 1, L0745: 1, L0746: 1, L0591: 1 and L0593: 1.	12p11.2- p11.1	112410, 135700, 168470, 200990
HODEF29	1008304	380	26 - 169	2555	His-8 to Gly-18.	H0615: 1		
HODFB71	1008307	381	369 - 671	2556	Lys-54 to Arg-59, Arg-66 to Arg-71.	L0805: 2, S0134: 1, H0486: 1, H0251: 1, H0235: 1, S0022: 1, H0615: 1, L0667: 1, L0776: 1, L0789: 1, L0758: 1 and H0423: 1.		
HODEF78	1008314	382	3 - 218	2557	Thr-4 to Ser-11, Pro-25 to Ala-31, Thr-38 to His-44.	H0615: 1		
HODEL83	1008324	383	3 - 416	2558	Ser-2 to Thr-13, Ile-16 to Ser-26, Pro-28 to Gln-36, Gln-41 to Pro-47, Pro-106 to Asp-111, Trp-127 to Thr-132.	H0615: 3		
HHPSH76	1008325	384	244 - 1206	2559	Ser-2 to Ser-7, Leu-51 to Arg-56,	L0776: 9, L0769: 4, L0789: 4, L0773: 3,		

					Lys-142 to Ser-149, His-178 to Ser-187, Tyr-261 to Gly-267, Arg-272 to Asp-292.	L0774: 3, L0750: 3, L0761: 2, L0771: 2, L0803: 2, L0807: 2, L0565: 2, L0745: 2, S0376: 1, H0549: 1, H0453: 1, H0587: 1, S0010: 1, S0324: 1, H0201: 1, H0687: 1, H0428: 1, H0538: 1, L0763: 1, L0770: 1, L0800: 1, L0643: 1, L0764: 1, L0794: 1, L0766: 1, L0775: 1, L0806: 1, S0328: 1, H0521: 1, L0780: 1, L0758: 1, L0759: 1, L0605: 1 and S0462: 1.		
HBGBE52	1008326	385	782 - 663	2560	Gly-1 to Glu-26, Val-28 to Leu-35.	H0181: 2, L0599: 2, H0014: 1, L0365: 1, L0665: 1, S0052: 1, S0216: 1, H0684: 1, S0152: 1, S0188: 1, H0345: 1 and L0366: 1.		
HBQAB30	1008327	386	3 - 737	2561	Asn-40 to Arg-68, Ser-86 to Ala-92, Ile-129 to Lys-145, Glu-162 to Ala-175, Glu-181 to Thr-204, Ser-206 to Lys-214, Leu-222 to Thr-231.	H0551: 2, S0354: 1, H0229: 1, S0049: 1, H0135: 1, H0529: 1 and S0028: 1.		

HLHCB31	1008332	387	1 - 558	2562	Asn-7 to Lys-19.	L0750: 4, L0777: 3, L0758: 3, S0354: 2, S0360: 2, H0039: 2, H0622: 2, H0617: 2, L0666: 2, H0520: 2, L0756: 2, L0759: 2, S0358: 1, H0549: 1, H0253: 1, H0009: 1, L0471: 1, H0620: 1, H0024: 1, H0083: 1, H0688: 1, L0142: 1, H0135: 1, H0038: 1, H0100: 1, H0646: 1, L0763: 1, L0761: 1, L0764: 1, L0662: 1, L0767: 1, L0794: 1, L0653: 1, L0659: 1, L0809: 1, L0665: 1, H0144: 1, H0547: 1, H0672: 1, L0741: 1, L0743: 1, L0744: 1, L0753: 1 and S0276: 1.	16q13- 16q21	114835, 118470, 132700, 172490, 209900, 600968
HPFDV51	1008335	388	22 - 216	2563	Thr-5 to His-10, Pro-28 to Thr-40, Lys-46 to His-54.	H0670: 4, S0007: 2, H0014: 2, H0616: 2, L0005: 1, H0574: 1, H0632: 1, H0156: 1, H0169: 1, L0769: 1, L0805: 1, L0647: 1, H0648: 1, L0779: 1 and L0758: 1.		

HTEDY04	1008336	389	2 - 832	2564	Arg-2 to Gly-9, Arg-38 to Lys-46, Ser-53 to Ser-73, Asp-79 to Ala-84, Leu-129 to Glu-136, Glu-202 to Arg-210, Glu-216 to Ala-231, Glu-234 to Glu-254, Lys-259 to Leu-265.	L0803: 8, L0758: 8, L0809: 6, L0748: 6, H0038: 5, L0439: 5, H0616: 4, H0670: 4, L0756: 4, L0731: 4, L0794: 3, L0750: 3, L0770: 2, L0805: 2, L0776: 2, L0602: 2, L0779: 2, S0276: 2, S0282: 1, S0410: 1, H0369: 1, H0549: 1, H0618: 1, H0252: 1, H0615: 1, H0424: 1, H0213: 1, H0032: 1, H0212: 1, H0068: 1, T0067: 1, S0438: 1, L0769: 1, L0638: 1, L0804: 1, L0775: 1, L0806: 1, L0527: 1, L0782: 1, L0788: 1, L0789: 1, L0666: 1, L0664: 1, L0665: 1, H0658: 1, H0672: 1, S3012: 1, L0751: 1, L0745: 1, L0777: 1, L0780: 1, L0759: 1 and L0581: 1.	1p35.1	118210, 120550, 120570, 120575, 121800, 130500, 133200, 171760, 171760, 185470, 230350, 255800, 602771
HODEG13	1008337	390	2 - 166	2565	Gln-2 to His-10, Lys-21 to Glu-33.	H0615: 3		
HHPFK16	1008345	391	109 - 435	2566		H0663: 1, H0125: 1,		



HARAL81	1008349	392	220 - 20	2567.	Ser-24 to Ala-30, Arg-55 to Ser-62.	S0418: 1, S0356: 1, H0051: 1, H0648: 1 and H0543: 1. L0752: 6, L0663: 5, L0646: 3, L0754: 3, L0747: 3, H0031: 2, L0794: 2, H0659: 2, H0658: 2, L0748: 2, H0556: 1, H0657: 1, L0005: 1, S0354: 1, S0358: 1, S0410: 1, H0637: 1, H0441: 1, H0455: 1, T0082: 1, H0615: 1, S0440: 1, H0633: 1, S0344: 1, S0426: 1, H0529: 1, L0770: 1, L0769: 1, L0637: 1, L0374: 1, L0771: 1, L0648: 1, L0662: 1, L0766: 1, L0650: 1, L0774: 1, L0775: 1, L0805: 1, L0776: 1, L0655: 1, L0542: 1, L0782: 1, L0809: 1, L0666: 1, L0664: 1, L0665: 1, L0352: 1, H0648: 1, H0521: 1, H0696: 1, S0406: 1, L0740: 1, L0749: 1, L0731: 1 and		
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							H0444: 1.			
HFTAU42	1008350	393	987 - 1100	2568			S0360: 2, H0123: 2, L0649: 2, L0803: 2, L0666: 2, L0740: 2, L0747: 2, L0750: 2, L0755: 2, H0624: 1, S0418: 1, H0393: 1, H0553: 1, H0124: 1, H0090: 1, S0440: 1, H0646: 1, S0142: 1, L0662: 1, L0776: 1, L0659: 1, L0665: 1, L0438: 1, H0547: 1, H0519: 1, H0659: 1, H0658: 1, H0648: 1, L0777: 1, L0752: 1, H0445: 1, L0599: 1, S0242: 1 and H0542: 1.			
HETDA81	1008358	394	3 - 377	2569		Thr-5 to Ser-12, Thr-74 to Pro-80.	H0046: 2 and H0648: 1.			
HODEI92	1008359	395	1 - 495	2570		His-31 to Asp-45, Glu-56 to Ser-64, Pro-118 to Asp-131.	L0747: 4, L0751: 3, H0615: 2, L0794: 2, L0665: 2, H0659: 2, L0777: 2, L0596: 2, H0341: 1, H0333: 1, H0510: 1, H0328: 1, H0039: 1, L0764: 1, L0657: 1, H0658: 1, S0328: 1 and L0758: 1.			
HODEB58	1008372	396	3 - 455	2571		Thr-25 to Ser-36.	H0360: 14, L0809: 11,			

	L0747: 9, L0749: 9, L0777: 9, L0803: 8, L0731: 8, L0774: 7, L0794: 6, S0408: 5, L0783: 5, L0775: 4, L0438: 4, H0648: 4, L0756: 4, L0623: 3, H0575: 3, L0471: 3, H0373: 3, H0615: 3, L0520: 3, L0768: 3, S0126: 3, S0328: 3, S0406: 3, L0779: 3, L0758: 3, S0116: 2, S0444: 2, S0360: 2, H0393: 2, S0222: 2, H0156: 2, T0082: 2, H0052: 2, H0014: 2, H0494: 2, S0440: 2, L0763: 2, L0769: 2, L0764: 2, L0517: 2, H0684: 2, H0670: 2, H0672: 2, H0539: 2, L0740: 2, L0753: 2, L0757: 2, L0759: 2, S0031: 2, L0588: 2, L0581: 2, L0595: 2, S0424: 2, H0171: 1, T0002: 1, H0218: 1, H0685: 1, S0342: 1, S0402: 1, T0049: 1,	
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							L0653: 1, L0776: 1, L0659: 1, L0526: 1, L0782: 1, L5622: 1, L0788: 1, H0689: 1, H0690: 1, H0682: 1, H0658: 1, S0378: 1, H0696: 1, H0134: 1, S0404: 1, H0727: 1, S0028: 1, L0742: 1, L0752: 1, S0434: 1, L0589: 1, S0192: 1, H0423: 1, H0422: 1 and S0458: 1.			
HODEG86	1008379	397	411 - 548	2572			H0615: 3			
HODFA57	1008396	398	138 - 221	2573	Lys-1 to Lys-6, Leu-10 to Asp-17, Pro-19 to Arg-28.		H0615: 4			
HODFB31	1008401	399	1 - 276	2574	Pro-35 to Lys-40, Glu-72 to Gly-77, Pro-85 to Val-90.		H0615: 2, S0278: 1, S0002: 1, H0555: 1 and S0026: 1.			
HTEMP79	1008406	400	317 - 658	2575	Leu-14 to Ser-19.		L0758: 6, L0779: 4, H0038: 3, H0616: 2, L0593: 2, H0644: 1, L0794: 1 and L0594: 1.			
HODEI59	1008423	401	161 - 1291	2576	His-6 to Ser-11, Ser-122 to Asn-128, Leu-216 to Asp-221, Ser-323 to His-328.		H0031: 12, H0521: 11, H0542: 11, L0745: 9, H0266: 7, H0547: 7, H0551: 6, H0013: 5, S0152: 5, T0049: 4, H0169: 4, H0494: 4,	20q12-q13.1, 256540, 600281, 600281		

	L0748: 4, L0591: 4, H0661: 3, H0251: 3, H0046: 3, H0644: 3, H0591: 3, S0002: 3, H0520: 3, S0126: 3, S0028: 3, L0439: 3, L0754: 3, L0757: 3, L0596: 3, H0423: 3, H0171: 2, S0134: 2, S0354: 2, S0358: 2, H0580: 2, S0046: 2, H0587: 2, H0497: 2, T0039: 2, H0599: 2, H0050: 2, L0471: 2, T0010: 2, H0615: 2, H0039: 2, H0090: 2, H0038: 2, H0040: 2, H0488: 2, T0042: 2, S0150: 2, H0529: 2, L0649: 2, L0659: 2, L0438: 2, H0519: 2, H0660: 2, H0555: 2, S3014: 2, S0027: 2, L0777: 2, L0593: 2, L0601: 2, H0653: 2, H0543: 2, H0170: 1, H0556: 1, H0341: 1, S0001: 1, H0664: 1, H0662: 1, H0638: 1, S0418: 1, S0420: 1,					
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S0356: 1, H0619: 1, H0393: 1, S0278: 1, H0431: 1, H0608: 1, H0442: 1, H0586: 1, H0643: 1, H0486: 1, H0156: 1, H0575: 1, H0036: 1, S0346: 1, H0581: 1, H0052: 1, H0263: 1, H0544: 1, H0123: 1, H0011: 1, H0014: 1, H0355: 1, H0375: 1, H0188: 1, H0687: 1, H0292: 1, H0328: 1, H0428: 1, H0622: 1, T0023: 1, H0628: 1, H0383: 1, H0165: 1, L0455: 1, H0124: 1, H0135: 1, H0268: 1, H0623: 1, H0100: 1, H0429: 1, H0561: 1, H0509: 1, H0646: 1, H0538: 1, L0800: 1, L0626: 1, L0387: 1, L0654: 1, H0701: 1, H0593: 1, H0711: 1, H0690: 1, H0435: 1, H0658: 1, H0672: 1, L0602: 1, S0206: 1, L0751: 1, L0746: 1, L0731: 1,
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							H0444: 1, H0445: 1, S0434: 1, L0587: 1, L0588: 1, L0581: 1, L0604: 1, L0594: 1, S0196: 1, H0506: 1 and H0293: 1.			
HODEF94	1008429	402	2 - 94	2577	Pro-19 to Ser-29.		H0615: 2, H0090: 1, S0002: 1 and H0478: 1.			
HPFCZ53	1008445	403	236 - 769	2578	Lys-1 to Lys-23.		L0754: 40, L0740: 8, H0295: 2, H0663: 2, H0169: 2, H0068: 2, L0770: 2, L0662: 2, L0789: 2, L0748: 2, L0751: 2, L0755: 2, L0589: 2, S0420: 1, L0005: 1, H0586: 1, H0156: 1, H0032: 1, H0100: 1, H0494: 1, L0803: 1, L0806: 1, L0809: 1, H0660: 1, H0672: 1, S0152: 1, L0744: 1, L0779: 1, L0777: 1, L0780: 1, L0591: 1, L0593: 1 and L0601: 1.	6p24	134570	
HWACN71	1008764	404	96 - 1268	2579	Val-7 to Gly-14, Lys-46 to Ala-52, Leu-82 to Phe-89, Lys-94 to Ser-99, Pro-101 to Arg-108,		AR096: 7, AR053: 5, AR089: 4, AR039: 3, AR060: 2, AR055: 2, AR052: 2, AR033: 2, AR061: 2, AR104: 2			---



						Ala-123 to Gly-129, Lys-154 to Gly-164, Arg-274 to Glu-287, Asp-294 to Thr-309, Gln-324 to Ala-334, Pro-343 to Asn-359, Lys-368 to Glu-385.	H0457: 2, H0494: 2, H0740: 1, H0581: 1, H0083: 1, L0770: 1, L0769: 1, L0764: 1, L0791: 1 and H0727: 1.		
HOFMU69	1009017	405	342 - 1151	2580		Ser-70 to Trp-88, Lys-154 to Asp-161, Tyr-265 to Lys-270.	AR039: 17, AR052: 11, AR104: 7, AR033: 7, AR096: 7, AR053: 6, AR089: 6, AR060: 3, AR061: 3, AR055: 3 H0415: 2		
HSKNP59	1009095	406	417 - 554	2581		Pro-10 to Pro-16.	AR039: 15, AR089: 10, AR053: 10, AR096: 9, AR055: 8, AR060: 7, AR033: 6, AR061: 5, AR104: 4 L0510: 3, L0504: 1, L0502: 1, L0499: 1, L0514: 1, L0512: 1 and S3012: 1.		
HETBR71	1009343	407	155 - 658	2582		Lys-5 to Phe-58.	L0731: 10, L0759: 6, L0782: 4, L0774: 3, H0046: 2, H0620: 2, L0598: 2, L0769: 2, L0805: 2, L0663: 2, S0380: 2, L0754: 2, L0756: 2, H0170: 1,	Xq22.1	301201, 301835, 311850

HE2ES17	1009349	408	3 - 914	2583	Glu-1 to Glu-13.	H0384: 1, H0484: 1, H0664: 1, S0358: 1, S0360: 1, S0410: 1, H0580: 1, H0549: 1, S0222: 1, H0427: 1, H0156: 1, S0010: 1, H0194: 1, H0545: 1, H0375: 1, H0644: 1, S0366: 1, H0038: 1, S0210: 1, L0631: 1, L0800: 1, L0764: 1, L0662: 1, L0766: 1, L0775: 1, L0375: 1, L0776: 1, L0659: 1, L0647: 1, H0144: 1, H0547: 1, H0660: 1, H0672: 1, S0330: 1, H0539: 1, S0152: 1, S0044: 1, H0694: 1, S0406: 1, L0779: 1, L0758: 1, L0605: 1 and H0653: 1.		
						L0663: 3, L0740: 3, L0752: 3, L0758: 3, L0759: 3, L0664: 2, L0665: 2, L0439: 2, L0756: 2, H0624: 1, H0170: 1, H0685: 1, S0003: 1, H0615: 1, H0644: 1, H0616: 1,		

							L0598: 1, L0649: 1, L0666: 1, H0660: 1, H0648: 1, H0672: 1, H0696: 1, H0555: 1, L0779: 1, L0755: 1, L0592: 1 and S0192: 1.			
HELM06	1009362	409	14 - 349	2584	Asp-57 to Ala-62, Gly-98 to Pro-112.		S0045: 1			
HE2AG50	1009365	410	43 - 132	2585	Gly-1 to Ser-6, Pro-20 to Ile-30.		AR089: 1, AR033: 1, AR060: 0, AR096: 0, AR061: 0, AR055: 0, AR039: 0 H0170: 1, H0574: 1, H0052: 1, H0048: 1 and L0766: 1.			
HE2ES61	1009388	411	555 - 427	2586			H0305: 2, L0663: 2, H0170: 1, S0003: 1, L0803: 1 and H0651: 1.			
HE2SO43	1009398	412	1 - 408	2587	Pro-65 to Lys-70, His-112 to Gly-131.		H0624: 1			
HLHCI07	1009403	413	91 - 2	2588	Arg-5 to Gly-11.		H0208: 1, H0123: 1 and H0024: 1.	13q		
HTTBR65	1009414	414	1 - 357	2589	Gly-3 to Thr-9, Arg-30 to Gly-39.		H0305: 1 and H0040: 1.	17q21	109270, 109270, 109270, 109270, 109270, 113705, 113705, 144200,	

								148065, 148066, 148066, 148067, 148067, 148069, 148080, 154275, 168610, 171190, 176705, 185800, 200350, 221820, 232200, 249000, 252920, 253250, 600119, 600119, 601363, 601844
HPFCV71	1009453	415	434 - 586	2590			H0328: 1, H0615: 1, H0169: 1, L0807: 1 and L0754: 1.	
HCABR46	1009479	416	169 - 423	2591	Ala-9 to Glu-19, Glu-40 to Asn-46, Asp-55 to Ser-66.	H0125: 1	19p13.2	108725, 120700, 133171, 143890, 147670,

							147670, 147670, 151440, 164953, 231670, 600276, 600957, 601843	
HCRCB80	1009482	417	78 - 479	2592	Gln-34 to Ala-45, Glu-47 to Leu-52, Lys-113 to Gln-121.	H0170: 1, H0327: 1, H0038: 1, L0758: 1 and S0276: 1.	22q13.2- q13.31	188826, 250100, 250800, 250800
HPMLW78	1009833	418	1 - 648	2593	Asn-12 to Tyr-19, Glu-33 to Glu-38, Arg-53 to Ser-62.	L0769: 4, L0751: 4, L0471: 2, H0024: 2, L0768: 2, L0748: 2, L0731: 2, L0595: 2, H0685: 1, S0001: 1, H0052: 1, H0050: 1, H0012: 1, H0644: 1, H0617: 1, H0040: 1, H0100: 1, L0637: 1, L0662: 1, L0809: 1, L0665: 1, H0547: 1, H0519: 1, L0780: 1 and L0591: 1.	1q23	104770, 107300, 107670, 131210, 134638, 136132, 145001, 146740, 146740, 146740, 146790, 173610, 176310, 186780, 191030, 227400, 227400, 601412,

								601652, 602491
HODJK75	1009842	419	3 - 428	2594	Ala-26 to Ile-34.	H0615: 2		
HODJX27	1009854	420	1 - 123	2595	Ser-27 to Gly-32.	H0615: 1		
HODJV85	1009857	421	366 - 166	2596	Asp-1 to Gly-9, Glu-17 to Lys-23.	H0615: 1		
HOOJO38	1009918	422	718 - 116	2597	Ala-76 to Lys-87, Glu-110 to Gln-115, Ser-123 to Lys-131, Lys-168 to Ala-174, Pro-178 to Ala-193, Ala-196 to Ala-201.	L0493: 55, L0504: 46, L0512: 42, L0510: 41, L0507: 39, L0509: 35, L0511: 30, L0502: 29, L0500: 25, L0499: 20, L0503: 19, L0498: 13, L0514: 13, H0648: 13, L0506: 10, H0341: 9, H0046: 7, L0505: 7, L0497: 7, H0670: 7, L0520: 6, H0659: 6, S0380: 6, L0508: 5, S0027: 5, S0114: 4, H0657: 4, S0045: 4, H0100: 4, L0515: 4, L0526: 4, L0664: 4, S0126: 4, H0658: 4, S0378: 4, S0028: 4, L0588: 4, L0362: 4, S0026: 4, H0333: 3, H0318: 3, H0090: 3, H0413: 3, S0142: 3, L0646: 3, S0374: 3, H0689: 3, L0750: 3,		

			H0445: 3, L0361: 3, H0352: 3, H0220: 2, T0049: 2, H0305: 2, H0125: 2, S0358: 2, S0046: 2, S0222: 2, H0643: 2, L0622: 2, H0013: 2, H0251: 2, H0014: 2, H0188: 2, S0003: 2, H0364: 2, H0031: 2, H0040: 2, H0087: 2, H0625: 2, H0647: 2, S0422: 2, L0501: 2, L0521: 2, L0375: 2, L0657: 2, H0365: 2, H0690: 2, H0436: 2, S0390: 2, S0037: 2, L0742: 2, L0748: 2, L0605: 2, L0603: 2, H0665: 2, H0542: 2, H0543: 2, L0718: 2, H0624: 1, H0170: 1, H0171: 1, H0265: 1, T0002: 1, H0222: 1, H0686: 1, H0685: 1, S0040: 1, H0381: 1, S0116: 1, S0212: 1, H0255: 1, H0669: 1, H0671: 1, H0638: 1, S0354: 1, S0360: 1, H0580: 1,		
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HAOSI69	1009949	423	1 - 1155	2598				L0775: 1, L0651: 1, L0776: 1, L0659: 1, L0517: 1, L0540: 1, L0518: 1, L0783: 1, L0384: 1, L0541: 1, L0543: 1, L0367: 1, L0368: 1, L0532: 1, L0663: 1, L0665: 1, S0428: 1, H0691: 1, H0684: 1, H0660: 1, H0666: 1, H0672: 1, H0651: 1, H0522: 1, H0187: 1, H0576: 1, S0392: 1, S0118: 1, S0206: 1, S0032: 1, L0751: 1, L0747: 1, L0777: 1, L0752: 1, H0444: 1, L0596: 1, L0590: 1, L0604: 1, L0601: 1, H0667: 1 and H0293: 1.	11q13	102200, 106100, 131100, 131100, 131100, 133780, 147050, 153700, 161015,
								L0757: 22, L0601: 20, L0747: 14, S0152: 13, L0740: 13, H0617: 10, L0748: 10, L0777: 9, H0623: 7, S0126: 6, S0212: 5, S0360: 5, L0771: 5, L0744: 5, L0759: 5, L0596: 5, H0624: 4, H0549: 4,		

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HSDIY67	1010157	424	3 - 692	2599	Ala-7 to Arg-18, Pro-37 to Asp-43, Asn-96 to Arg-103, Lys-115 to Ser-122,	H0658: 4, H0551: 3, L0439: 3, H0686: 2, H0441: 2, H0013: 2, S0152: 2, L0744: 2,			

					Ile-162 to Asn-168, Arg-179 to Asp-189, Asp-206 to Asn- 215, Glu-222 to Val-230.	L0759: 2, S0260: 2, S0360: 1, S0045: 1, L0394: 1, H0009: 1, L0471: 1, H0012: 1, H0620: 1, T0003: 1, H0188: 1, H0428: 1, L0564: 1, L0763: 1, L0770: 1, L0769: 1, L0637: 1, L0646: 1, L0643: 1, L0775: 1, L0805: 1, S0028: 1, L0779: 1, L0592: 1, S0276: 1, S0412: 1 and H0506: 1.			
HSDZM65	1010299	425	2 - 337	2600	Ser-18 to Thr-23, Val-91 to Gln-99.	L0758: 8, L0803: 6, L0740: 6, L0809: 5, L0794: 4, L0756: 4, L0752: 4, S0360: 3, H0551: 3, L0527: 3, L0783: 3, H0689: 3, L0777: 3, L0731: 3, T0049: 2, S0222: 2, S0049: 2, H0163: 2, L0766: 2, L0804: 2, L0659: 2, L0518: 2, L0438: 2, H0547: 2, H0521: 2, H0696: 2, L0779: 2, L0485: 2, H0170: 1, H0171: 1, H0656: 1, H0381: 1,			

	S0212: 1, H0662: 1, H0638: 1, S0376: 1, S0007: 1, S0045: 1, H0455: 1, H0331: 1, H0574: 1, H0013: 1, H0042: 1, H0004: 1, H0421: 1, H0545: 1, H0041: 1, L0471: 1, H0014: 1, S0051: 1, H0083: 1, S0336: 1, H0428: 1, H0553: 1, H0040: 1, L0060: 1, H0487: 1, H0494: 1, H0560: 1, H0561: 1, H0529: 1, L0637: 1, L0667: 1, L0800: 1, L0662: 1, L0375: 1, L0805: 1, L0653: 1, L0776: 1, L0655: 1, L0787: 1, L0790: 1, L0666: 1, L0665: 1, S0053: 1, S0374: 1, H0519: 1, H0711: 1, H0659: 1, H0660: 1, H0672: 1, S0380: 1, H0627: 1, L0743: 1, L0755: 1, S0260: 1, L0608: 1, L0601: 1, L0366: 1, H0667: 1, S0242: 1, S0276: 1,	
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HPDOC39	1010400	426	144 - 608	2601	Ser-16 to Val-25, His-105 to Lys-125, Tyr-147 to Ser-155.	S0446: 1 and H0506: 1, S0360: 8, S0358: 7, H0547: 6, H0561: 5, S0126: 5, S0418: 4, L0766: 4, L0748: 4, L0755: 4, L0362: 4, H0686: 3, H0591: 3, H0521: 3, L0740: 3, L0777: 3, L0752: 3, L0731: 3, L0758: 3, H0445: 3, L0595: 3, S0196: 3, H0656: 2, H0663: 2, S0356: 2, S0376: 2, S0444: 2, S0046: 2, S0278: 2, H0331: 2, H0574: 2, H0581: 2, H0052: 2, H0046: 2, H0266: 2, S0003: 2, H0090: 2, H0623: 2, T0042: 2, H0494: 2, L0768: 2, L0803: 2, L0659: 2, L0809: 2, H0144: 2, H0520: 2, H0522: 2, L0439: 2, L0596: 2, L0591: 2, L0601: 2, H0136: 2, S0242: 2, H0423: 2, H0265: 1, H0341: 1, S0001: 1, H0305: 1, H0589: 1,		
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S0420: 1, H0580: 1, S0045: 1, H0619: 1, H0437: 1, S0222: 1, T0039: 1, H0013: 1, H0599: 1, H0253: 1, S0010: 1, H0421: 1, L0738: 1, H0544: 1, H0546: 1, H0041: 1, H0050: 1, H0373: 1, H0083: 1, H0039: 1, H0622: 1, H0031: 1, H0673: 1, S0366: 1, H0135: 1, H0038: 1, H0551: 1, H0412: 1, H0056: 1, T0041: 1, H0334: 1, H0560: 1, H0509: 1, H0633: 1, S0142: 1, S0002: 1, L0770: 1, L0769: 1, L0646: 1, L0374: 1, L0764: 1, L0771: 1, L0381: 1, L0774: 1, L0775: 1, L0666: 1, L0663: 1, L0664: 1, H0701: 1, S0374: 1, H0519: 1, H0689: 1, H0682: 1, H0659: 1, H0658: 1, H0539: 1, S0152: 1, S0332: 1, H0696: 1, H0134: 1,	
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HE2PS15	1010525	427	3 - 236	2602	Gly-1 to Asp-8, Asp-62 to Ala-67.	S0406: 1, L0754: 1, L0747: 1, L0750: 1, L0786: 1, L0759: 1, S0260: 1, S0026: 1, H0542: 1, H0543: 1, H0422: 1 and S0452: 1. AR104: 72, AR060: 48, AR089: 29, AR055: 25, AR096: 16, AR061: 10 L0755: 9, L0757: 8, L0519: 6, L0748: 6, L0763: 5, L0774: 5, L0779: 5, H0657: 4, S0222: 4, L0471: 4, L0766: 4, H0670: 4, L0588: 4, S0408: 3, S0438: 3, L0520: 3, L0769: 3, S0374: 3, H0352: 3, H0686: 2, H0341: 2, S0444: 2, S0360: 2, S0046: 2, H0261: 2, H0333: 2, L0622: 2, H0494: 2, S0422: 2, L0767: 2, L0768: 2, L0775: 2, L0809: 2, H0659: 2, S0328: 2, H0696: 2, S0406: 2, L0747: 2, L0750: 2, L0731: 2,	14q32.33	144120, 147020, 147110
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HTTKH22	1010596	428	266 - 1396	2603	Ser-42 to Pro-49, Asp-86 to Gly-92, Lys-97 to Glu-109.		H0670: 4, H0616: 3, L0439: 3, L0758: 3, S0354: 2, H0038: 2, S0116: 1, H0402: 1, H0637: 1, S0474: 1, H0644: 1, H0673: 1, S0366: 1, H0634: 1, L0351: 1, L0638: 1, L0764: 1, L0766: 1, L0803: 1, L0775: 1, L0805: 1, L0792: 1, L0666: 1, H0520: 1, L0780: 1 and H0542: 1.			
HNOJG33	1010698	429	1209 - 490	2604	Arg-1 to Pro-15, Ser-146 to Arg-155, Leu-168 to Asp-174, Lys-181 to Thr-186,		S0040: 3, L0748: 3, S0356: 2, S0358: 2, S0360: 2, H0416: 2, L0752: 2, H0624: 1,	12q13-q14	107777, 123829, 123940, 139350,	

HPDVK48	1011090	430	1085 - 1630	2605	Lys-14 to Ala-21, Ser-23 to Lys-31, Glu-38 to Gln-47, Arg-72 to Leu-78, Gln-87 to Asn-94, Ser-110 to Lys-118, Glu-172 to Lys-182.	Phe-226 to Pro-236.	H0265: 1, H0556: 1, S0116: 1, H0255: 1, S0376: 1, S0278: 1, H0575: 1, H0251: 1, L0471: 1, H0373: 1, S0051: 1, H0356: 1, H0687: 1, H0288: 1, H0252: 1, H0135: 1, H0634: 1, H0551: 1, S0210: 1, L0438: 1, H0658: 1, H0666: 1, S0330: 1, S3014: 1, L0744: 1, L0439: 1, L0745: 1, S0260: 1, H0595: 1 and S0196: 1.	139350, 147570, 148040, 148041, 148043, 148070, 181430, 231550, 252940, 264700, 600194, 600231, 600536, 600808, 600956, 601284, 601769, 601769, 601928, 602116, 602153

HNORJ10	1011186	431	3 - 1628	2606	<p>Asn-42 to Pro-48, Glu-81 to Lys-86, Val-94 to Thr-99, Lys-105 to Asp-111, Phe-129 to Glu-142, Ser-154 to Gln-160, Glu-173 to Ala-182, Gln-209 to Glu-234, Asp-259 to Asp-272, Ser-303 to Pro-311, Thr-321 to Asn-329, Ala-335 to Glu-349, Thr-371 to Gly-389, Gln-395 to Asn-405, Thr-415 to Asn-423, Asn-431 to Ser-443, Lys-475 to Gln-484, Ser-502 to Gly-507, Ile-522 to Asn-527.</p>	<p>H0352: 1. S0003: 17, H0551: 11, L0483: 9, H0547: 9, S0212: 7, S0152: 7, H0521: 7, H0423: 7, L0766: 6, L0666: 6, S0214: 5, S0126: 5, H0543: 5, S0420: 4, S0360: 4, H0411: 4, H0032: 4, H0598: 4, S0422: 4, L0649: 4, L0665: 4, L0757: 4, H0657: 3, S0376: 3, L0717: 3, H0574: 3, H0486: 3, H0069: 3, H0427: 3, H0581: 3, H0046: 3, H0457: 3, H0271: 3, H0622: 3, H0494: 3, L0667: 3, L0655: 3, L0659: 3, H0519: 3, H0672: 3, H0710: 3, L0754: 3, L0759: 3, L0593: 3, L0601: 3, H0422: 3, H0218: 2, S0040: 2, H0713: 2, H0717: 2, H0650: 2, H0656: 2, S0356: 2, S0132: 2, S0222: 2, H0333: 2, H0009: 2, L0157: 2,</p>	14q21-q24	<p>107970, 115650, 182600, 232700, 602086, 602091, 602616</p>
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HPDRG92	1011209	432	1 - 291	2607	Pro-51 to Phe-57, Ser-87 to Thr-94.	H0658: 3, L0748: 3, H0052: 1 and L0741: 1.			
HOFMQ81	1011303	433	2 - 544	2608	His-1 to Gly-12, Ser-27 to Ser-37, Pro-59 to Ser-68, Glu-94 to Ala-102, Ile-129 to Ser-143, Pro-145 to Pro-150.	AR033: 2, AR089: 2, AR039: 2, AR061: 2, AR055: 1, AR096: 1, AR060: 1, AR104: 1, AR053: 0 H0415: 2			
HOFNF27	1011315	434	3 - 680	2609	Pro-10 to Lys-26, Asn-44 to Tyr-53, Arg-104 to Lys-114, Arg-121 to Ala-134, Gly-155 to Thr-177, Gln-201 to Ser-206.	AR053: 3, AR089: 2, AR096: 1, AR060: 1, AR055: 1, AR104: 1, AR033: 1, AR039: 1, AR061: 0 H0415: 3, H0539: 2, H0355: 1 and H0375: 1.			
HOFND52	1011316	435	126 - 542	2610	Pro-9 to Arg-15, Ala-17 to Thr-26, Pro-39 to Lys-45, Asp-54 to Ala-61, Leu-86 to Gly-91, Phe-99 to Thr-106.	AR096: 1, AR060: 1, AR061: 1, AR033: 1, AR089: 1, AR039: 1, AR053: 0, AR055: 0, AR104: 0 H0415: 2			



HOFNL96	1011321	436	3 - 575	2611	Pro-3 to Ala-17, Asn-56 to Asp-62.	H0415: 1		
HOFNF53	1011332	437	2 - 1183	2612	Pro-26 to Arg-32, Gly-68 to Glu-75, Cys-111 to Asp-116.	AR052: 2, AR053: 1, AR089: 1, AR096: 1, AR055: 1, AR039: 1, AR060: 1, AR033: 1, AR061: 1, AR104: 0 H0415: 2		
HOFMU61	1011360	438	62 - 1249	2613	Ala-39 to Thr-44, Thr-171 to Lys-180.	AR052: 1, AR096: 1, AR089: 1, AR060: 1, AR033: 1, AR053: 0, AR061: 0, AR104: 0, AR039: 0, AR055: 0 H0415: 4		
HOFOF35	1011499	439	1 - 639	2614	Ser-13 to Glu-26, Ser-48 to Val-55, Lys-85 to Thr-91, Asp-115 to Asn-126, Asp-169 to Lys-175.	H0415: 2		
HULFJ37	1011537	440	915 - 364	2615		H0620: 11, H0683: 10, H0483: 7, H0046: 7, H0687: 6, S0360: 4, H0012: 4, H0428: 4, L0471: 3, L0665: 3, H0520: 3, H0670: 3, H0672: 3, L0750: 3, H0624: 2, H0662: 2, H0333: 2, H0013: 2, H0530: 2, H0024: 2,	11p11.2	133701, 168500, 171650, 176930, 176930, 600623, 600811, 600958

H0594: 2, L0381: 2, H0144: 2, H0547: 2, H0435: 2, L0593: 2, L0601: 2, H0352: 2, H0294: 1, H0341: 1, H0661: 1, H0664: 1, H0240: 1, S0354: 1, S0358: 1, S0376: 1, H0675: 1, S0007: 1, S0046: 1, H0369: 1, H0370: 1, H0587: 1, H0497: 1, H0642: 1, H0575: 1, S0049: 1, H0204: 1, H0596: 1, H0178: 1, H0011: 1, H0266: 1, H0290: 1, T0006: 1, H0424: 1, S0364: 1, H0616: 1, H0087: 1, H0412: 1, H0413: 1, H0100: 1, H0647: 1, H0652: 1, S0210: 1, L0369: 1, L0769: 1, L0373: 1, L0771: 1, L0364: 1, L0649: 1, L0775: 1, L0375: 1, L0651: 1, L0776: 1, L0659: 1, L0517: 1, L0783: 1, L0382: 1, L0809: 1, L0519: 1, L0663: 1,
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HOFME75	1011607	441	2 - 1024	2616	Arg-1 to Gly-7.	S0053: 1, H0519: 1, H0658: 1, H0660: 1, H0666: 1, S0027: 1, L0743: 1, L0740: 1, L0747: 1, L0749: 1, L0779: 1, L0777: 1, L0752: 1, L0753: 1, L0757: 1, L0759: 1, H0445: 1, H0595: 1 and L0595: 1.			
						H0415: 5	11q13.5	133780, 266150, 276903, 276903, 276903	
HOPKO74	1011608	442	136 - 1482	2617	Arg-6 to Gly-13, Gln-132 to Glu-137, Arg-179 to Ala-200, Ala-209 to Lys-215, Glu-218 to Asp-227, Pro-239 to Lys-244, Tyr-276 to Lys-283, Ile-361 to Asp-367, Met-371 to Asp- 376, Asp-391 to Lys-411, Pro-440 to Leu-449.	L0747: 55, H0551: 25, H0135: 24, S0126: 20, H0619: 14, L0750: 14, S0418: 12, S0360: 12, H0547: 12, S0028: 12, L0754: 12, L0659: 11, H0123: 10, L0665: 9, H0693: 9, S3014: 9, S0027: 9, S0040: 8, L0654: 8, L0595: 8, H0050: 7, L0363: 7, L0666: 7, L0601: 7, S0212: 6, L0717: 6, H0599: 6, H0081: 6, H0012: 6, H0024: 6,	11q13.5	133780, 266150, 276903, 276903, 276903	



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HCBBA51	1011755	443	57 - 266	2618	Pro-11 to Phe-16, Thr-48 to Ser-60.	L0651: 1, L0508: 1, L0656: 1, L0782: 1, L0783: 1, L0383: 1, L0519: 1, L0545: 1, L0543: 1, L5623: 1, L0793: 1, S0006: 1, H0144: 1, H0682: 1, H0435: 1, H0660: 1, H0539: 1, H0522: 1, H0694: 1, L0439: 1, L0758: 1, L0362: 1, S0011: 1, H0668: 1, H0665: 1, H0667: 1, S0194: 1, S0196: 1, H0542: 1, S0042: 1 and H0008: 1.			
						H0659: 16, L0747: 15, S0358: 14, L0005: 13, L0758: 9, S0360: 8, L0775: 8, H0648: 8, H0657: 6, L0731: 6, L0757: 6, H0341: 5, H0412: 5, S0440: 5, H0658: 5, H0710: 5, L0750: 5, L0588: 5, S0007: 4, S0046: 4, H0599: 4, L0520: 4, L0764: 4, L0768: 4, H0170: 3, H0306: 3, H0125: 3, S0408: 3,			

	H0309: 3, H0039: 3, H0617: 3, H0413: 3, L0809: 3, L0519: 3, S0126: 3, S0406: 3, H0576: 3, H0422: 3, S0134: 2, L0808: 2, S0116: 2, H0661: 2, H0663: 2, H0393: 2, L0394: 2, S0222: 2, H0586: 2, L0622: 2, L0623: 2, H0486: 2, T0109: 2, S0280: 2, H0581: 2, H0596: 2, H0231: 2, S0003: 2, T0006: 2, H0674: 2, H0598: 2, H0100: 2, S0438: 2, H0633: 2, L0772: 2, L0521: 2, L0767: 2, H0144: 2, S0374: 2, H0672: 2, S0328: 2, S0330: 2, S0152: 2, S0032: 2, L0755: 2, L0759: 2, S0031: 2, H0595: 2, S0026: 2, T0002: 1, H0686: 1, H0685: 1, S6024: 1, H0294: 1, T0049: 1, S0282: 1, H0255: 1, H0669: 1, H0664: 1, H0177: 1,	
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S0376: 1, S0444: 1, S0410: 1, S0045: 1, S0132: 1, H0411: 1, S0278: 1, S6022: 1, H0441: 1, H0609: 1, T0039: 1, H0013: 1, H0635: 1, H0042: 1, T0048: 1, H0421: 1, H0173: 1, H0052: 1, H0204: 1, H0597: 1, H0044: 1, H0546: 1, H0046: 1, H0150: 1, H0009: 1, H0023: 1, H0373: 1, L0163: 1, H0201: 1, S0048: 1, S0388: 1, S0051: 1, H0408: 1, H0238: 1, H0622: 1, T0023: 1, H0031: 1, H0606: 1, H0673: 1, H0163: 1, H0040: 1, H0634: 1, H0616: 1, T0069: 1, T0041: 1, H0494: 1, H0646: 1, S0144: 1, S0142: 1, S0344: 1, L0598: 1, L0762: 1, L0763: 1, L0769: 1, L0637: 1, L0761: 1, L0373: 1, L0773: 1, L0522: 1, L0803: 1,	
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							L0774: 1, L0375: 1, L0653: 1, L0542: 1, L0782: 1, L0783: 1, L0789: 1, S0428: 1, S0053: 1, H0690: 1, H0682: 1, H0670: 1, H0651: 1, S0378: 1, S0380: 1, H0134: 1, H0436: 1, S0027: 1, L0751: 1, S0260: 1, H0445: 1, S0394: 1, S0011: 1, H0653: 1, H0136: 1, S0194: 1 and H0423: 1.		
HDHEB13	1011773	444	31 - 972	2619	Gly-1 to Glu-11, Arg-54 to Ser-60, Pro-68 to Gly-78, Pro-92 to Gly-126, Ala-134 to Asn-143, Thr-145 to Gly-162, Gly-173 to Ser-179, Lys-187 to Leu-194, Glu-205 to Ser-213, Ser-283 to Phe-289, Ala-306 to Glu-313.	L0777: 4, L0747: 3, S0007: 1, H0351: 1, H0550: 1, H0013: 1, H0570: 1, H0123: 1, H0019: 1, H0012: 1, H0553: 1, L0794: 1, L0759: 1 and H0352: 1.			
HDTMG36	1011821	445	3 - 248	2620	Pro-28 to Gln-35, Leu-71 to Pro-77.				
HVVCJ38	1011830	446	2 - 817	2621	Thr-121 to Asn-126, Ala-134 to Ala-140, Arg-174 to Arg-184,	L0771: 5, L0439: 5, L0761: 4, L0794: 4, L0809: 4, L0666: 4,			

Ser-194 to Glu-199, Met-208 to Gln-217, Arg-258 to Gly-263.	L0743: 4, L0758: 4, H0661: 3, H0638: 3, H0618: 3, L0770: 3, L0803: 3, L0659: 3, L0790: 3, H0662: 2, H0181: 2, S0144: 2, S0142: 2, L0800: 2, L0663: 2, H0539: 2, L0740: 2, L0750: 2, H0713: 1, H0583: 1, S0212: 1, H0483: 1, H0402: 1, S0418: 1, S0356: 1, S0360: 1, S0222: 1, H0486: 1, T0109: 1, H0250: 1, H0575: 1, H0253: 1, H0052: 1, H0194: 1, H0544: 1, H0546: 1, H0545: 1, H0024: 1, H0355: 1, H0688: 1, H0617: 1, H0124: 1, H0135: 1, H0163: 1, H0413: 1, S0038: 1, T0041: 1, H0509: 1, H0529: 1, L0371: 1, L0769: 1, L0638: 1, L0764: 1, L0648: 1, L0662: 1, L0804: 1, L0775: 1, L0629: 1, L0657: 1, L0656: 1,				
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HPAMY22	1011840	447	1 - 180	2622	Pro-18 to Gln-36, Ser-43 to Ala-57.		H0682: 1			
HE9CP86	1011847	448	107 - 727	2623	Arg-13 to Arg-19, Asp-37 to Asp-43, Glu-127 to Asp-132, Asn-152 to Glu-171, Ala-179 to Ala-193.		L0748: 18, L0749: 8, L0755: 7, H0686: 4, S0360: 3, H0519: 3, H0659: 3, L0747: 3, L0758: 3, H0341: 2, H0622: 2, H0040: 2, H0616: 2, L0772: 2, L0375: 2, L0754: 2, L0779: 2, H0542: 2, H0294: 1, H0657: 1, H0656: 1, S0116: 1, H0663: 1, H0638: 1, S0376: 1, H0393: 1, H0083: 1, H0030: 1, L0055: 1, H0068: 1, H0591: 1, H0038: 1, H0412: 1, H0100: 1, L0475: 1, S0422: 1, L0763: 1, L0771: 1,			

							L0767: 1, L0768: 1, L0784: 1, L0776: 1, L0633: 1, L0783: 1, L0665: 1, H0144: 1, H0682: 1, S0378: 1, H0627: 1, L0752: 1, L0731: 1, S0026: 1, H0665: 1, S0242: 1 and H0543: 1.			
HPDOU46	1011883	449	24 - 692	2624			H0658: 2, L0750: 2, L0806: 1, L0790: 1 and L0779: 1.			
HFCDW73	1011901	450	3 - 425	2625			H0575: 1 and H0009: 1.			
HOVEB13	1011919	451	21 - 905	2626	Val-7 to Ser-12, Leu-79 to Asn-87, Lys-120 to Ala-125, Ala-166 to Arg-171, Lys-208 to Phe-217, Gln-234 to Pro-241, Asp-285 to Gln-290.		AR033: 6, AR089: 5, AR096: 4, AR055: 3, AR052: 3, AR060: 3, AR053: 2, AR061: 2, AR039: 1, AR104: 0 L0779: 4, H0428: 3, L0773: 2, L0662: 2, L0659: 2, L0602: 2, L0777: 2, L0596: 2, L0608: 2, H0170: 1, H0580: 1, S0045: 1, T0048: 1, H0052: 1, L0471: 1, H0628: 1, L0770: 1, L0761: 1, L0805: 1, L0653: 1, L0657: 1, L0512: 1,			

HPAMS93	1011948	452	74 - 1114	2627				H0682: 1, H0672: 1, L0748: 1, L0740: 1, L0749: 1, L0757: 1, S0031: 1, H0543: 1 and H0677: 1.		
								L0754: 8, L0766: 6, L0439: 6, S0414: 4, L0758: 4, S0360: 3, L0803: 3, L0666: 3, L0756: 3, L0731: 3, S0218: 2, H0676: 2, H0251: 2, H0457: 2, H0083: 2, H0038: 2, H0616: 2, L0770: 2, L0775: 2, H0144: 2, H0682: 2, H0436: 2, L0752: 2, L0485: 2, L0594: 2, H0624: 1, S0430: 1, H0657: 1, H0341: 1, S0358: 1, H0411: 1, H0431: 1, T0039: 1, H0013: 1, L0021: 1, H0194: 1, H0050: 1, H0020: 1, H0051: 1, H0375: 1, H0594: 1, S0003: 1, H0272: 1, S0386: 1, H0494: 1, S0438: 1, H0652: 1, S0422: 1, H0529: 1, L0765: 1,		

							L0771: 1, L0521: 1, L0804: 1, L0774: 1, L0651: 1, L0776: 1, L0655: 1, L0659: 1, L0809: 1, L0647: 1, L0789: 1, L0790: 1, L0663: 1, L0664: 1, L0665: 1, S0374: 1, L0438: 1, H0519: 1, S0188: 1, H0478: 1, H0626: 1, S0028: 1, L0779: 1, L0777: 1, L0780: 1, L0759: 1, S0031: 1, H0445: 1 and S0026: 1.			
HCRBN71	1011966	453	1 - 420	2628			L0776: 6, L0766: 5, L0777: 3, L0758: 3, L0755: 2, H0327: 1, L0768: 1, L0805: 1, L0655: 1, L0788: 1, H0648: 1, H0672: 1, S0406: 1, L0747: 1, L0752: 1, L0757: 1 and S0196: 1.			
HCRNC60	1012005	454	637 - 1302	2629	Pro-16 to Asp-25, Arg-44 to Glu-50, Ser-63 to Arg-69, Glu-108 to Arg-115, Lys-122 to Gly-136, Arg-143 to Met-151,	15q22.1	L0471: 11, H0251: 9, L0163: 7, H0599: 5, H0295: 4, H0373: 4, S0210: 4, S0126: 3, S0356: 2, S0358: 2, H0619: 2, H0012: 2,	151670, 191010, 601780		

Asp-167 to Glu-173, Asp-185 to Glu-194, Thr-206 to Asp-213.	H0628: 2, S0364: 2, H0551: 2, H0519: 2, S0026: 2, H0170: 1, T0049: 1, S0134: 1, H0656: 1, H0662: 1, S0418: 1, S0420: 1, S0354: 1, S0360: 1, T0008: 1, H0411: 1, H0431: 1, H0432: 1, H0592: 1, S0005: 1, H0574: 1, H0270: 1, T0039: 1, H0013: 1, H0002: 1, H0036: 1, S0010: 1, S0474: 1, H0196: 1, T0115: 1, H0597: 1, H0545: 1, H0050: 1, H0024: 1, S0362: 1, H0200: 1, H0266: 1, S0022: 1, H0252: 1, H0039: 1, H0644: 1, H0032: 1, S0366: 1, H0090: 1, H0591: 1, T0041: 1, T0042: 1, H0509: 1, S0374: 1, H0520: 1, H0670: 1, H0651: 1, H0539: 1, S0380: 1, S0044: 1, S0118: 1, S0028: 1, L0748: 1, L0757: 1, L0588: 1,					
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HSPSJ24	1012064	455	284 - 925	2630	Pro-83 to Gln-90, Ala-123 to Gly-131, Glu-174 to Pro-183.	S0011: 1, H0653: 1, H0665: 1, S0242: 1 and H0506: 1.  S0358: 2, S0360: 2, H0251: 2, H0622: 2, S0144: 2, L0659: 2, L0751: 2, L0777: 2, H0265: 1, S0134: 1, H0657: 1, H0486: 1, H0575: 1, S0010: 1, H0581: 1, H0052: 1, H0085: 1, H0266: 1, H0687: 1, H0644: 1, H0617: 1, L0662: 1, L0766: 1, L0549: 1, L0774: 1, L0775: 1, L0806: 1, L0657: 1, L0382: 1, H0683: 1, H0522: 1, H0555: 1, H0576: 1, L0754: 1, L0749: 1, L0758: 1, L0599: 1 and S0446: 1.	14q11.2	182600, 186880, 190195, 190195, 222700, 600243, 602279, 602279
HPCPB22	1012076	456	3 - 554	2631	Arg-88 to Lys-93, Tyr-101 to Gly-107, Arg-169 to Pro-184.	H0659: 2 and L0378: 1.		
HOVDZ22	1012136	457	2 - 169	2632	Tyr-1 to Gly-13.	H0529: 7, L0766: 6, L0809: 6, L0777: 5, H0428: 3, H0656: 2, H0013: 2, H0620: 2, L0806: 2, L0665: 2,		

HBZSK53	1012240	458	2 - 721	2633	Pro-6 to Gln-11.	H0547: 2, L0748: 2, L0747: 2, L0756: 2, L0601: 2, H0484: 1, H0192: 1, S0420: 1, S0358: 1, H0575: 1, H0581: 1, H0046: 1, H0012: 1, T0010: 1, H0266: 1, H0622: 1, H0165: 1, H0673: 1, L0456: 1, H0068: 1, H0135: 1, H0087: 1, H0264: 1, H0412: 1, H0560: 1, L0763: 1, L0770: 1, L0771: 1, L0649: 1, L0561: 1, L0375: 1, L0805: 1, L0776: 1, L0518: 1, L0783: 1, L0666: 1, L0663: 1, H0520: 1, H0519: 1, S0126: 1, H0659: 1, H0672: 1, H0539: 1, H0436: 1, S3014: 1, L0741: 1, L0749: 1, L0750: 1, L0779: 1, L0731: 1, L0589: 1, L0581: 1, L0608: 1 and S0011: 1.	H0584: 59, S0278: 16, S0444: 10, L0775: 10, L0809: 10, H0545: 9.
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[illegible]

					Leu-38 to Gly-59, Pro-62 to Thr-75, Met-83 to Val-90, Thr-94 to Ser-105, Pro-109 to Glu-125, Phe-134 to Ser-139, Ile-141 to Lys-162, Cys-166 to Pro-180, Leu-202 to Pro-207, Ile-248 to Asn-253.	S0114: 2, H0123: 2, H0494: 2, H0445: 2, H0663: 1, H0455: 1, H0036: 1, H0457: 1, H0050: 1, H0039: 1, H0212: 1, H0433: 1, L0766: 1, S0206: 1 and L0749: 1.		
HCONM62	1012454	460	20 - 1306	2635		H0521: 181, L0748: 11, H0551: 10, H0617: 8, H0046: 7, L0731: 7, H0623: 6, L0663: 6, H0547: 6, H0265: 5, S0418: 5, H0009: 5, H0553: 5, H0670: 5, L0740: 5, L0759: 5, H0556: 4, S0376: 4, S0046: 4, H0266: 4, H0135: 4, S0344: 4, L0665: 4, S0374: 4, H0689: 4, H0435: 4, H0658: 4, S0114: 4, S0206: 4, L0596: 4, H0543: 4, S0212: 3, H0483: 3, S0410: 3, S0132: 3, H0592: 3, H0012: 3, H0620: 3, H0039: 3, H0488: 3,	7q31	126650, 126650, 164860, 180105, 222800, 246900, 274600, 274600, 602081

		L0372: 3, L0764: 3, L0666: 3, H0519: 3, S0027: 3, S0028: 3, L0439: 3, L0750: 3, L0777: 3, H0665: 3, H0656: 2, H0638: 2, L0562: 2, L0539: 2, S0360: 2, H0208: 2, S0045: 2, L0717: 2, H0549: 2, H0586: 2, H0156: 2, H0052: 2, H0545: 2, H0024: 2, H0424: 2, H0213: 2, H0030: 2, H0087: 2, H0100: 2, T0042: 2, H0494: 2, H0560: 2, H0561: 2, S0440: 2, L0369: 2, L0640: 2, L0761: 2, L0646: 2, L0659: 2, L0540: 2, L0382: 2, L0809: 2, L0664: 2, L0438: 2, H0593: 2, H0648: 2, H0555: 2, L0757: 2, L0758: 2, S0434: 2, L0595: 2, S0192: 2, H0423: 2, H0422: 2, H0677: 2, H0624: 1, S0342: 1, S0218: 1, H0650: 1, H0657: 1,		
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H0341: 1, S0282: 1, H0255: 1, H0661: 1, H0662: 1, S0420: 1, S0356: 1, S0358: 1, S0444: 1, S0408: 1, H0645: 1, H0261: 1, H0550: 1, S0222: 1, H0441: 1, H0370: 1, H0587: 1, S0005: 1, H0333: 1, H0331: 1, T0040: 1, T0082: 1, T0048: 1, S0182: 1, H0318: 1, H0581: 1, S0049: 1, H0196: 1, H0251: 1, H0596: 1, H0327: 1, H0544: 1, H0572: 1, H0050: 1, L0471: 1, H0687: 1, H0286: 1, S0340: 1, S0003: 1, H0428: 1, H0033: 1, H0604: 1, H0644: 1, H0628: 1, H0181: 1, H0606: 1, L0055: 1, H0169: 1, L0455: 1, H0124: 1, S0366: 1, S0036: 1, H0040: 1, H0063: 1, H0433: 1, S0038: 1, L0475: 1, H0132: 1, H0641: 1, S0144: 1,
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HOGEU69	1012459	461	2 - 691	2636	Arg-1 to Ala-11, Ser-118 to Gln-126, Leu-200 to Thr-207, Lys-213 to Ala-218, Glu-225 to Thr-230.	S0422: 1, S0002: 1, L0598: 1, H0529: 1, L0641: 1, L0374: 1, L0645: 1, L0648: 1, L0650: 1, L0375: 1, L0378: 1, L0806: 1, L0653: 1, L0776: 1, L0655: 1, L0661: 1, L0634: 1, L0636: 1, L0517: 1, L0518: 1, L0384: 1, L0647: 1, L0789: 1, L0791: 1, L0792: 1, H0144: 1, H0701: 1, S0126: 1, H0690: 1, H0659: 1, H0672: 1, H0539: 1, S0378: 1, H0518: 1, S0152: 1, S0044: 1, H0576: 1, H0631: 1, S0032: 1, L0741: 1, L0743: 1, L0745: 1, L0779: 1, L0752: 1, L0592: 1, H0668: 1 and H0542: 1.	5q22-q23	121050, 126150, 159000, 175100, 175100, 175100,
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L0529: 3, H0521: 3, H0318: 2, H0178: 2, H0553: 2, H0641: 2, L0763: 2, L0770: 2, L0769: 2, L0662: 2, L0651: 2, L0659: 2, L0519: 2, L0750: 2, S0434: 2, H0624: 1, T0002: 1, H0650: 1, S0212: 1, H0638: 1, S0358: 1, S0444: 1, H0637: 1, S0132: 1, H0340: 1, H0343: 1, H0413: 1, H0300: 1, L0311: 1, L0704: 1, L0328: 1, L0329: 1, L0650: 1, L0774: 1, L0806: 1, L0657: 1, L0650: 1, L0774: 1, L0806: 1, L0657: 1, L0650: 1, L0774: 1, L0806: 1, L0657: 1, L0650: 1, L0774: 1, L0806: 1, L0657: 1, L0809: 1, L0664: 1, L0665: 1, H0144: 1, H0547: 1, H0682: 1, H0435: 1, H0648: 1, H0539: 1, S0380: 1, S0152: 1, H0555: 1,	175100, 175100, 175100, 179095, 192974, 192974, 601596
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							L0749: 1, L0758: 1, H0445: 1, L0595: 1 and S0192: 1.			
HVVD93	1012469	462	2 - 829	2637	Gln-3 to Cys-12, Thr-19 to Thr-25.		L0758: 5, L0769: 4, L0766: 3, L0809: 3, L0774: 2, L0790: 2, L0663: 2, L0439: 2, L0752: 2, S0218: 1, H0583: 1, S0442: 1, S0622: 1, H0441: 1, H0574: 1, H0150: 1, S0388: 1, S0364: 1, H0743: 1, L0369: 1, L0770: 1, L0638: 1, L0644: 1, L0764: 1, L0648: 1, L0662: 1, L0794: 1, L0803: 1, L0636: 1, L0368: 1, L0666: 1, L0664: 1, L0565: 1, L0438: 1, H0682: 1, H0672: 1, L0741: 1, L0743: 1, L0748: 1, L0751: 1, L0754: 1, L0747: 1, L0749: 1, L0777: 1, L0759: 1, S0434: 1 and L0592: 1.			
HCOMV86	1012482	463	313 - 834	2638			H0521: 91, H0580: 23, H0522: 22, H0445: 14, H0638: 12, H0656: 11,	6p21.3	106300, 108800, 120290,	

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HCONJ23	1012519	464	43 - 990	2639	Met-8 to Lys-13, Pro-23 to Trp-30.	H0647: 1, H0646: 1, S0002: 1, S0426: 1, L0768: 1, L0649: 1, L0805: 1, L0659: 1, H0702: 1, H0689: 1, H0684: 1, H0670: 1, H0539: 1, H0709: 1, S0146: 1, H0576: 1, L0744: 1, L0754: 1, L0749: 1, L0750: 1, L0777: 1, L0752: 1, L0755: 1, S0260: 1, S0308: 1, H0707: 1, L0581: 1, H0677: 1 and H0506: 1.	8q11	600899
						L0777: 14, L0748: 9, L0747: 7, S0026: 6, S0360: 4, H0519: 4, L0749: 4, L0759: 4, H0677: 4, H0686: 3, H0014: 3, H0090: 3, L0662: 3, L0794: 3, L0766: 3, H0659: 3, S0404: 3, L0439: 3, L0740: 3, L0754: 3, L0750: 3, S0276: 3, H0170: 2, H0171: 2, H0657: 2, H0341: 2, S0212: 2, S0420: 2, S0356: 2, S0444: 2,		



							S0450: 1, L0065: 1, S0422: 1, S0002: 1, L0598: 1, H0529: 1, L0770: 1, L0769: 1, L0761: 1, L0646: 1, L0649: 1, L0388: 1, L0775: 1, L0652: 1, L0629: 1, L0527: 1, L0790: 1, L0666: 1, L0663: 1, L0664: 1, S0052: 1, H0691: 1, H0520: 1, H0547: 1, H0682: 1, H0658: 1, H0670: 1, H0666: 1, H0648: 1, S0146: 1, L0743: 1, L0751: 1, L0752: 1, H0445: 1, S0434: 1, L0608: 1, H0665: 1, S0192: 1, S0194: 1, H0543: 1 and H0423: 1.			
HVVBLO4	1012536	465	2 - 310	2640	Lys-2 to Glu-13, Asn-39 to Glu-47, Arg-49 to Glu-56, Lys-73 to Arg-85.	H0672: 2				
HVVAF65	1012542	466	3 - 731	2641		L0748: 19, L0439: 7, L0731: 6, L0775: 4, S0356: 2, H0421: 2, H0509: 2, L0805: 2, L0783: 2, L0809: 2,	17q24-q25	114290, 115660, 138033, 139250, 148500,		

HCONN76	1012545	467	1 - 1716	2642	Tyr-1 to Ser-12.	S0136: 2, L0740: 2, L0747: 2, L0749: 2, L0599: 2, L0362: 2, H0170: 1, S0470: 1, L0005: 1, S0354: 1, S0376: 1, S0045: 1, S0278: 1, H0642: 1, H0331: 1, H0574: 1, H0036: 1, S0346: 1, H0318: 1, L0157: 1, H0050: 1, L0471: 1, H0024: 1, H0275: 1, H0594: 1, H0267: 1, S0003: 1, H0031: 1, H0412: 1, T0069: 1, H0100: 1, T0041: 1, L0475: 1, S0142: 1, S0002: 1, L0769: 1, L0776: 1, L0655: 1, L0527: 1, L0664: 1, S0374: 1, L0438: 1, H0658: 1, H0672: 1, S0380: 1, S0350: 1, H0521: 1, S0146: 1, L0777: 1, L0752: 1, L0753: 1, L0757: 1 and L0581: 1.	150200, 154275, 162100, 170500, 170500, 170500, 180860, 182452, 230200, 249000, 253250, 264470
						H0423: 16, H0521: 11, L0777: 10, H0622: 9, L0751: 9, H0641: 8.	120220, 120240, 123580.

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				S0408: 1, H0722: 1, H0282: 1, H0632: 1, H0635: 1, H0427: 1, H0575: 1, S0010: 1, S0346: 1, S0474: 1, H0581: 1, H0251: 1, H0544: 1, L0163: 1, H0051: 1, S0388: 1, H0188: 1, H0687: 1, H0286: 1, T0023: 1, H0604: 1, H0644: 1, H0181: 1, H0617: 1, H0032: 1, H0040: 1, H0634: 1, H0272: 1, H0509: 1, S0142: 1, L0763: 1, L0638: 1, L0372: 1, L0646: 1, L0771: 1, L0774: 1, L0805: 1, L0653: 1, L0776: 1, L0655: 1, L0636: 1, L0782: 1, L0663: 1, H0701: 1, H0690: 1, H0684: 1, H0658: 1, H0666: 1, S0152: 1, S0406: 1, H0555: 1, L0439: 1, L0747: 1, L0749: 1, L0750: 1, L0780: 1, L0755: 1, L0758: 1, S0031: 1, H0445: 1,	
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						S0434: 1, L0604: 1 and H0542: 1.			
HVVAF56	1012568	468	3 - 1382	2643	Cys-2 to Ser-16, Glu-55 to Lys-61, Pro-83 to Leu-88, Ser-135 to Pro-148, Val-152 to Arg-163, Pro-223 to Thr-230, Ala-242 to Val-253, Arg-258 to Glu-274, Gly-290 to Asp-300, Lys-337 to Asn-345, Asp-373 to Ala-398, Gly-401 to Lys-406, Gln-410 to Ala-430, Pro-433 to Gln-460.	L0766: 9, L0777: 9, H0529: 8, H0521: 7, L0731: 7, S0360: 6, L0758: 6, H0494: 5, L0749: 5, L0759: 5, S0376: 4, H0639: 4, S0422: 4, L0665: 4, H0144: 4, H0520: 4, H0547: 4, L0439: 4, H0423: 4, S0424: 4, H0581: 3, L0471: 3, H0266: 3, S0150: 3, L0764: 3, L0803: 3, L0659: 3, L0666: 3, H0519: 3, H0659: 3, H0696: 3, L0755: 3, H0716: 2, H0662: 2, S0356: 2, S0046: 2, H0013: 2, H0545: 2, H0457: 2, H0551: 2, H0100: 2, L0475: 2, L0598: 2, L0763: 2, L0770: 2, L0637: 2, L0772: 2, L0765: 2, L0662: 2, L0649: 2, L0774: 2, L0775: 2, L0776: 2, L0809: 2, H0689: 2, S0406: 2,			





HODEG95	1012599	469	243 - 749	2644	Arg-33 to Gly-38, Pro-40 to Lys-52.	S0460: 1, H0506: 1 and H0352: 1.		
HCOOX52	1012600	470	2 - 1567	2645	Arg-41 to Gly-65, Pro-88 to Ser-96, Thr-104 to Thr-141, Glu-209 to Asn-214, Arg-263 to Ser-269, Ser-274 to Ala-279, Lys-290 to Ile-296, Lys-320 to Glu-333, Val-517 to Ala-522.	H0615: 2 and H0343: 1. L0581: 63, L0748: 35, H0575: 22, L0599: 19, H0046: 17, L0659: 17, L0745: 16, H0510: 15, L0662: 15, L0665: 15, L0747: 14, H0509: 12, L0744: 12, L0754: 12, H0069: 11, L0751: 11, H0574: 10, L0750: 10, H0031: 9, H0124: 9, L0757: 9, H0150: 8, H0039: 8, S0360: 7, S0132: 7, H0644: 7, S0027: 7, S0212: 6, H0393: 6, H0622: 6, H0591: 6, L0803: 6, L0806: 6, H0658: 6, S0044: 6, S0028: 6, S0358: 5, H0549: 5, H0331: 5, H0427: 5, H0251: 5, H0014: 5, H0687: 5, H0059: 5, L0595: 5, L0600: 5, H0632: 4, H0618: 4, H0200: 4, H0090: 4, H0038: 4, L0770: 4,	11q12-q13.1 106100, 133780, 147050, 259700, 259770, 600045, 601650, 601884	

		L0525: 4, L0809: 4, L0663: 4, H0670: 4, H0555: 4, L0758: 4, L0603: 4, H0650: 3, H0663: 3, H0550: 3, T0060: 3, S0280: 3, H0042: 3, S0314: 3, L0142: 3, H0135: 3, L0763: 3, L0372: 3, L0766: 3, L0775: 3, L0666: 3, H0144: 3, H0693: 3, S0126: 3, H0682: 3, S0380: 3, H0436: 3, S0037: 3, L0759: 3, S0031: 3, H0445: 3, L0361: 3, S0011: 3, H0662: 2, H0619: 2, H0333: 2, H0486: 2, H0013: 2, L0021: 2, H0253: 2, S0010: 2, H0309: 2, H0123: 2, H0246: 2, L0163: 2, H0355: 2, H0188: 2, S0312: 2, H0615: 2, H0688: 2, H0424: 2, H0553: 2, H0617: 2, L0455: 2, H0641: 2, H0646: 2, S0422: 2, L0646: 2, L0794: 2, L0804: 2,		
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S6028: 1, S0318: 1, S0316: 1, S0250: 1, H0328: 1, L0483: 1, T0006: 1, S0364: 1, S0366: 1, H0598: 1, H0616: 1, H0087: 1, H0264: 1, H0488: 1, T0004: 1, H0334: 1, H0625: 1, H0652: 1, S0002: 1, L0762: 1, L0640: 1, L0631: 1, L0769: 1, L0637: 1, L0667: 1, L0645: 1, L0764: 1, L0771: 1, L0773: 1, L0649: 1, L0651: 1, L0653: 1, L0658: 1, L0384: 1, L0545: 1, L0791: 1, S0428: 1, H0520: 1, H0593: 1, H0689: 1, H0659: 1, H0672: 1, S0328: 1, S0330: 1, S0378: 1, L0602: 1, H0518: 1, H0187: 1, S0118: 1, S3012: 1, S0390: 1, L0741: 1, L0742: 1, L0740: 1, L0752: 1, L0731: 1, H0595: 1, L0362: 1, H0668: 1, H0543: 1,	
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HVVBR10	1012618	471	3 - 1079	2646	Lys-52 to Ser-59, Lys-121 to Pro-128, Ser-183 to Thr-189.	H0422: 1, S0042: 1, H0008: 1 and H0352: 1.  L0439: 13, L0748: 11, L0601: 8, L0747: 7, L0750: 7, L0438: 5, L0757: 5, L0770: 4, L0769: 4, L0764: 4, L0766: 4, L0731: 4, L0803: 3, L0775: 3, L0666: 3, H0521: 3, L0751: 3, L0758: 3, S0418: 2, H0550: 2, H0013: 2, H0052: 2, H0622: 2, H0494: 2, L0646: 2, L0771: 2, L0774: 2, L0663: 2, L0565: 2, H0593: 2, H0689: 2, H0672: 2, S0328: 2, L0752: 2, L0587: 2, L0600: 2, H0556: 1, H0583: 1, H0656: 1, H0341: 1, S0001: 1, S0360: 1, H0549: 1, H0455: 1, H0586: 1, H0587: 1, H0156: 1, H0253: 1, H0318: 1, H0581: 1, T0110: 1, H0150: 1, H0019: 1, H0050: 1, H0620: 1, S0050: 1.		
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HVV/BK78	1012645	472	44 - 643	2647	Arg-11 to Arg-20.	H0672: 1 and S3014: 1.					
HVV/BK73	1012646	473	2 - 745	2648		H0036: 1, H0644: 1, . H0672: 1 and L0603: 1.	7q34-qter				

HCOMW35	1012652	474	3 - 527	2649	Asp-49 to Asp-59, Asp-110 to Ile-115, Trp-137 to Ser-144.	L0766: 10, S0358: 4, H0318: 3, L0809: 3, S0360: 2, H0617: 2, H0264: 2, L0769: 2, L0775: 2, H0670: 2, H0462: 1, H0646: 1, L0761: 1, L0764: 1, L0771: 1, L0773: 1, L0805: 1, L0787: 1, S0374: 1, H0684: 1, L0779: 1 and L0758: 1.	22q13.31	250100, 250800, 250800
HVVB28	1012654	475	2 - 1117	2650	Arg-1 to Gly-12, Gly-19 to Trp-25, Asp-31 to Gly-39, Gly-43 to Glu-52, Ala-63 to His-71, Asn-141 to Phe-152, Leu-200 to Leu-208.	L0803: 4, L0745: 4, L0758: 4, H0672: 3, S0007: 2, H0090: 2, L0769: 2, L0804: 2, L0774: 2, L0809: 2, L0439: 2, L0749: 2, L0731: 2, L0599: 2, L0362: 2, S0418: 1, S0360: 1, S0046: 1, H0431: 1, H0486: 1, H0013: 1, L0021: 1, H0042: 1, S0010: 1, H0052: 1, H0046: 1, H0024: 1, H0266: 1, H0687: 1, S0022: 1, H0553: 1, L0770: 1, L0794: 1, L0783: 1, L0529: 1, H0435: 1, S0152: 1, H0521: 1,	4q27-q28	107250, 134820, 134820, 134820, 134820, 134830, 134850, 134850, 147680, 181600, 189800, 266300, 600919

HVVBR45	1012657	476	102 - 1742	2651	Arg-23 to Thr-28, Val-58 to Leu-67, Pro-115 to Thr-122.	S0044: 1, H0555: 1, S0260: 1, L0366: 1, H0543: 1 and H0352: 1.  L0747: 15, L0740: 14, L0779: 13, L0439: 9, L0731: 9, L0748: 8, L0776: 7, L0455: 6, L0769: 6, L0744: 6, L0756: 6, L0758: 6, S0328: 5, H0521: 5, L0752: 5, H0295: 4, L0717: 4, L0663: 4, H0672: 4, S0360: 3, S0046: 3, H0427: 3, H0599: 3, H0036: 3, H0687: 3, S0250: 3, S0022: 3, S0036: 3, L0770: 3, L0662: 3, L0774: 3, L0806: 3, L0783: 3, S0052: 3, H0144: 3, S0126: 3, H0660: 3, H0539: 3, L0742: 3, S0194: 3, H0556: 2, T0049: 2, H0662: 2, S0045: 2, H0619: 2, L0622: 2, H0013: 2, H0318: 2, S0049: 2, H0356: 2, H0553: 2, S0364: 2, S0366: 2, H0551: 2,	17q21.3	109270, 109270, 109270, 109270, 109270, 148065, 148080, 154275, 156490, 171190, 185800, 221820, 249000, 253250, 600119, 600119, 600525, 601844
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HVV/AF41	1012665	477	59 - 550	2652	Pro-58 to Ser-64.	S0260: 1, H0595: 1, L0591: 1, L0601: 1, L0366: 1, H0665: 1, H0667: 1, S0458: 1, S0446: 1 and H0352: 1. L0740: 15, L0748: 14, L0752: 10, H0494: 9, L0745: 9, H0013: 7, L0774: 7, L0754: 7, S0358: 6, S0444: 6, L0771: 6, S0374: 6, L0471: 5, H0032: 5, L0646: 5, L0655: 5, H0580: 4, H0574: 4, H0014: 4, H0373: 4, S0003: 4, H0529: 4, L0770: 4, L0766: 4, L0659: 4, L0665: 4, H0624: 3, S0376: 3, S0360: 3, S0408: 3, H0592: 3, H0039: 3, H0090: 3, T0042: 3, L0773: 3, L0662: 3, L0775: 3, L0663: 3, L0581: 3, H0423: 3, H0156: 2, H0599: 2, H0575: 2, H0590: 2, H0318: 2, H0581: 2, H0457: 2, H0123: 2, H0356: 2, H0553: 2,	11q23	107680, 107680, 107680, 107680, 107680, 107720, 133780, 147791, 159555, 168000, 186740, 186830, 188025, 203750, 261640, 600048, 601382, 602574, 602574
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	H0597: 1, L0738: 1, H0545: 1, H0355: 1, H0510: 1, H0375: 1, H0266: 1, H0188: 1, H0644: 1, L0055: 1, S0364: 1, H0038: 1, H0380: 1, H0623: 1, T0041: 1, L0475: 1, H0560: 1, H0625: 1, H0561: 1, S0466: 1, H0509: 1, H0641: 1, H0646: 1, H0652: 1, S0344: 1, S0422: 1, H0517: 1, L0772: 1, L0642: 1, L0768: 1, L0388: 1, L0650: 1, L0651: 1, L0806: 1, L0776: 1, L0606: 1, L0661: 1, L0647: 1, L0787: 1, L0789: 1, H0520: 1, H0519: 1, H0689: 1, H0658: 1, H0670: 1, H0660: 1, S0328: 1, S0330: 1, H0539: 1, L0602: 1, H0522: 1, S0406: 1, L0749: 1, L0777: 1, H0445: 1, L0596: 1, L0588: 1, H0653: 1, H0667: 1, S0192: 1,					
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HVV AS32	1012668	478	105 - 2138	2653			H0542: 1, H0543: 1, S0424: 1, S0452: 1 and S0458: 1.	3q13	146200, 190300, 258900, 600882
							L0439: 7, S0136: 5, L0438: 4, L0749: 4, L0777: 4, L0752: 4, S0010: 3, H0672: 3, S0116: 2, L0717: 2, H0013: 2, H0057: 2, H0068: 2, H0551: 2, S0002: 2, L0763: 2, L0662: 2, L0794: 2, L0766: 2, L0803: 2, L0805: 2, L0776: 2, L0547: 2, L0789: 2, L0666: 2, L0665: 2, H0670: 2, H0521: 2, H0555: 2, L0748: 2, L0751: 2, L0747: 2, L0731: 2, L0758: 2, L0759: 2, L0599: 2, H0170: 1, T0002: 1, S0040: 1, S0212: 1, S0358: 1, S0045: 1, S0046: 1, H0619: 1, H0393: 1, H0392: 1, H0409: 1, H0485: 1, H0486: 1, H0244: 1, H0427: 1, L0021: 1, S0346: 1, H0196: 1,		

HVVAQ70	1012678	479	131 - 982	2654	<p>Leu-59 to Cys-66, Gln-74 to Leu-82, Asn-107 to Arg-121, Thr-160 to Ser-166, Lys-198 to Ile-203.</p>	<p>H0052: 1, H0596: 1, H0150: 1, H0562: 1, H0024: 1, H0373: 1, T0010: 1, S0628: 1, H0687: 1, T0023: 1, H0553: 1, H0644: 1, S0364: 1, H0090: 1, H0040: 1, H0616: 1, T0067: 1, H0413: 1, S0038: 1, S0386: 1, S0150: 1, H0641: 1, L0520: 1, L0770: 1, L0637: 1, L0772: 1, L0372: 1, L0646: 1, L0800: 1, L0773: 1, L0768: 1, L0659: 1, L0782: 1, L0663: 1, H0144: 1, H0520: 1, H0593: 1, H0659: 1, H0658: 1, S0328: 1, S0044: 1, S0037: 1, S0028: 1, L0740: 1, L0756: 1, L0779: 1, L0780: 1, H0665: 1, S0192: 1 and S0194: 1.</p>	8p11.2	<p>136350, 152760, 180100, 182900, 277700,</p>
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1012684	480	43 - 573	2655	His-1 to Asn-13, Ser-31 to Ser-42, Glu-47 to Val-55, Glu-65 to Val-70, Ile-95 to Asp-100.		H0031: 1, H0090: 1, H0038: 1, H0063: 1, H0087: 1, H0551: 1, H0413: 1, S0038: 1, T0042: 1, H0494: 1, H0560: 1, H0142: 1, L0520: 1, L0637: 1, L0800: 1, L0773: 1, L0521: 1, L0662: 1, L0768: 1, L0794: 1, L0803: 1, L0804: 1, L0774: 1, L0806: 1, L0776: 1, L0655: 1, L0657: 1, L0512: 1, L0558: 1, L0636: 1, L0635: 1, H0520: 1, H0519: 1, H0684: 1, H0660: 1, H0666: 1, H0672: 1, S0330: 1, H0522: 1, H0576: 1, S3014: 1, L0742: 1, L0758: 1, H0444: 1, L0594: 1, H0667: 1, H0136: 1, H0543: 1 and H0506: 1.		
HVVAQ22	1012684	480	43 - 573	2655	His-1 to Asn-13, Ser-31 to Ser-42, Glu-47 to Val-55, Glu-65 to Val-70, Ile-95 to Asp-100.	L0731: 25, H0696: 17, L0754: 13, S0192: 13, L0809: 12, L0750: 12, L0757: 10, L0519: 9, L0605: 8, L0748: 7,	3cen-q21	

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	H0664: 1, H0662: 1, S0408: 1, H0339: 1, S0300: 1, L0717: 1, H0600: 1, H0592: 1, H0587: 1, H0486: 1, H0013: 1, T0082: 1, S0346: 1, S0474: 1, H0251: 1, H0085: 1, H0596: 1, H0231: 1, H0544: 1, H0123: 1, T0003: 1, H0014: 1, L0163: 1, H0375: 1, H0687: 1, S0214: 1, H0328: 1, H0553: 1, H0644: 1, H0163: 1, H0090: 1, H0551: 1, H0264: 1, L0386: 1, L0533: 1, L0774: 1, L0376: 1, L0784: 1, L0378: 1, L0653: 1, L0654: 1, L0559: 1, L0659: 1, L0518: 1, L0530: 1, L0788: 1, L0791: 1, L0666: 1, L0665: 1, H0693: 1, H0658: 1, H0670: 1, S0378: 1, S0380: 1, S0044: 1, S0190: 1, S0174: 1, S0168: 1, L0751: 1, L0779: 1,					
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HTAES83	1012693	481	200 - 2128	2656	Pro-55 to Asp-61, Gln-66 to Leu-72.	L0780: 1, S0031: 1 and S0412: 1. H0457: 7, H0521: 7, H0150: 5, H0585: 4, H0255: 3, H0546: 3, H0617: 3, S0002: 3, L0659: 3, H0522: 3, S0434: 3, H0650: 2, H0254: 2, S0442: 2, S0376: 2, H0250: 2, S0003: 2, H0039: 2, H0553: 2, L0771: 2, L0662: 2, L0766: 2, H0689: 2, H0682: 2, L0751: 2, H0657: 1, S0116: 1, H0402: 1, S0418: 1, S0358: 1, S0360: 1, S0132: 1, S6026: 1, L0717: 1, S0278: 1, H0549: 1, H0610: 1, H0257: 1, H0559: 1, H0069: 1, H0581: 1, H0544: 1, H0271: 1, H0687: 1, H0286: 1, S0314: 1, H0688: 1, T0023: 1, H0606: 1, H0163: 1, H0063: 1, H0264: 1, S0464: 1, S0440: 1, H0647: 1, S0344: 1,	11q13.4- q13.5	133780, 266150, 276903, 276903, 276903
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HOCMN67	1012700	482	1 - 1182	2657				H0457: 9, H0695: 8, H0542: 7, H0521: 4, H0436: 4, H0581: 3, H0052: 3, H0135: 3, H0494: 3, H0650: 2, H0656: 2, S0356: 2, H0059: 2, H0641: 2, H0660: 2, L0741: 2, H0543: 2, H0265: 1, H0583: 1, H0255: 1, H0458: 1, S0360: 1, H0580: 1, S0278: 1, H0438: 1, H0492: 1, H0036: 1, H0590: 1,	11q13	102200, 106100, 131100, 131100, 131100, 133780, 147050, 153700, 161015, 164009, 168461, 168461, 168461, 180721,	

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HAPOW35	1012711	483	92 - 619	2658	Ile-32 to Phe-42.			S0418: 2, S0328: 2, H0521: 2, H0733: 1, S0132: 1, H0575: 1, H0024: 1, H0135: 1, H0038: 1, S0038: 1, S0406: 1, L0439: 1 and H0543: 1.		
HOVJM48	1013085	484	2 - 454	2659				H0688: 2, L0766: 2, H0494: 1, L0652: 1, L0731: 1 and L0759: 1.		
HBJHY84	1013213	485	1524 - 208	2660	Gln-1 to Asp-24, Phe-40 to Gln-46.			L0766: 12, L0758: 8, S0422: 7, L0794: 6, H0622: 5, H0666: 5, L0754: 5, L0592: 5, H0040: 4, L0663: 4,		

	H0520: 4, L0666: 3, L0664: 3, L0665: 3, H0547: 3, L0756: 3, L0777: 3, L0731: 3, L0759: 3, S0434: 3, H0423: 3, H0624: 2, H0583: 2, S0116: 2, H0318: 2, H0581: 2, H0428: 2, L0598: 2, L0655: 2, H0690: 2, H0518: 2, H0170: 1, H0686: 1, S0134: 1, H0657: 1, H0656: 1, H0483: 1, S0376: 1, S0360: 1, S0408: 1, H0580: 1, H0329: 1, H0486: 1, H0575: 1, H0596: 1, H0046: 1, H0267: 1, H0063: 1, H0022: 1, H0625: 1, S0440: 1, S0472: 1, H0529: 1, L0761: 1, L0646: 1, L0662: 1, L0768: 1, L0364: 1, L0649: 1, L0803: 1, L0650: 1, L0774: 1, L0651: 1, L0784: 1, L0805: 1, L0607: 1, L0659: 1, L0787: 1, L0792: 1, H0519: 1,	
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HODEY05	1013215	486	525 - 701	2661	Val-10 to Ser-18, Pro-30 to Glu-36, Glu-47 to Gly-54.				H0428: 2, S0114: 1, H0656: 1, H0263: 1, H0615: 1, H0684: 1 and L0749: 1.		
HFIAS44	1013288	487	112 - 1629	2662	Arg-31 to Leu-43, Gly-63 to Trp-78, Thr-84 to Pro-89, Asp-120 to Gly-141, Glu-155 to Val-177, Leu-204 to Ser-214, Pro-230 to Lys-236, Lys-300 to Lys-307, Arg-329 to Ile-340, Pro-343 to Ala-368, Glu-375 to Pro-434, Leu-441 to Lys-446, Lys-464 to Glu-495.			14			
HHAUD68	1013349	488	212 - 538	2663	Gly-1 to Pro-6, Pro-21 to Ser-44, Pro-51 to Lys-78,				L0740: 4, H0591: 3, H0583: 2, H0013: 2, H0575: 2, H0266: 2,	6p21.3	106300, 108800, 120290,

				Asp-80 to Ser-95, Leu-97 to Glu-103.	H0264: 2, L0805: 2, H0144: 2, S0330: 2, L0439: 2, H0445: 2, H0170: 1, H0556: 1, S0040: 1, S0218: 1, H0656: 1, H0125: 1, S0418: 1, S0376: 1, H0587: 1, H0497: 1, T0039: 1, H0069: 1, H0635: 1, H0599: 1, H0590: 1, H0318: 1, H0052: 1, H0596: 1, H0050: 1, S0003: 1, H0622: 1, H0090: 1, H0038: 1, H0634: 1, H0616: 1, H0551: 1, H0488: 1, S0016: 1, H0561: 1, S0002: 1, L0654: 1, L0518: 1, S0374: 1, S0126: 1, H0659: 1, H0660: 1, H0672: 1, H0651: 1, H0539: 1, H0521: 1, H0555: 1, L0750: 1, L0756: 1, L0757: 1, L0596: 1, L0590: 1, L0592: 1, S0026: 1, H0217: 1 and H0542: 1.			120290, 120810, 120820, 142857, 142858, 150270, 167250, 170261, 177900, 179450, 201910, 217000, 222100, 233100, 235200, 248611, 256550, 256550, 600202, 600261, 601868, 602280, 602475
HEEAA89	1013436	489	1.-675	2664	Trp-4 to Ser-11, Asn-17 to Arg-23.	L0748: 6, S0422: 4, H0658: 4, L0717: 3,	15q13	103581, 146150,

				H0059: 3, L0769: 3, L0764: 3, H0352: 3, S0410: 2, H0632: 2, H0599: 2, H0046: 2, H0038: 2, H0264: 2, H0646: 2, S0002: 2, H0529: 2, L0766: 2, L0653: 2, L0659: 2, L0439: 2, L0601: 2, S0134: 1, H0583: 1, L0785: 1, S0116: 1, S0212: 1, H0255: 1, S0418: 1, S0358: 1, S0444: 1, H0675: 1, H0728: 1, H0619: 1, H0549: 1, H0392: 1, H0331: 1, T0109: 1, H0013: 1, H0635: 1, H0618: 1, S0010: 1, S0474: 1, H0052: 1, L0157: 1, H0050: 1, H0051: 1, H0375: 1, H0039: 1, H0553: 1, H0644: 1, L0456: 1, S0036: 1, H0625: 1, H0633: 1, L0637: 1, L0773: 1, L0768: 1, L0794: 1, L0522: 1, L0509: 1, L0661: 1, L0526: 1, L0809: 1,	218000, 227220, 601623, 601800, 601889, 602117
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HNTAK22	1013524	490	2 - 3175	2665	Lys-1 to Lys-21.			H0519: 2, S0126: 2, H0341: 1, H0125: 1, L0562: 1, S0049: 1, H0123: 1, H0687: 1, H0292: 1, H0284: 1, S0312: 1, S0250: 1, H0622: 1, S0466: 1, L0649: 1, S0037: 1 and H0677: 1.	7		
HOVBX78	1013687	491	185 - 646	2666				AR096: 62, AR104: 41, AR089: 24, AR060: 24, AR061: 20, AR033: 16, AR053: 11, AR055: 11, AR039: 6 H0644: 5, L0439: 4, L0438: 3, S0278: 2, L0483: 2, H0581: 1, H0046: 1, H0355: 1, H0266: 1, H0038: 1, H0670: 1, H0521: 1, S0027: 1, L0740: 1 and			

HVVAW74	1013740	492	1066 - 575	2667	Ala-16 to His-30, Leu-106 to Gly-112, Asp-129 to Pro-137, Thr-144 to Leu-150.	S0260: 1, L0526: 11, L0622: 8, H0670: 8, H0087: 7, S0360: 5, H0594: 5, H0188: 5, H0412: 5, S0206: 5, H0218: 4, S0418: 4, H0318: 4, H0024: 4, H0617: 4, L0770: 4, L0783: 4, S0328: 4, S0027: 4, H0265: 3, H0663: 3, T0048: 3, H0597: 3, H0123: 3, H0673: 3, S0366: 3, H0135: 3, H0616: 3, S0002: 3, L0775: 3, L0776: 3, L0518: 3, L0663: 3, H0144: 3, S0374: 3, S0126: 3, S0380: 3, S3014: 3, H0352: 3, H0624: 2, H0556: 2, H0219: 2, S0114: 2, H0657: 2, H0341: 2, S0110: 2, H0661: 2, H0305: 2, H0351: 2, H0492: 2, T0039: 2, H0052: 2, H0546: 2, H0178: 2, H0083: 2, H0688: 2, H0068: 2, H0038: 2, H0040: 2,	19pter-q12	
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HPAMV95	1014003	494	3 - 713	2669	Lys-70 to Tyr-79, Lys-97 to Asp-102, Ser-154 to Ser-160, Asn-162 to Cys-169, Lys-212 to Ser-217, Ala-225 to Glu-230.	L0783: 2, H0658: 2, H0670: 2, H0648: 2, H0657: 1, S0116: 1, S0001: 1, H0661: 1, H0663: 1, H0450: 1, S0022: 1, H0438: 1, H0013: 1, S0280: 1, T0082: 1, H0421: 1, H0428: 1, T0067: 1, H0477: 1, S0038: 1, H0494: 1, L0762: 1, L0371: 1, L0800: 1, L0644: 1, L0773: 1, L0648: 1, L0662: 1, L0775: 1, L0375: 1, L0378: 1, L0806: 1, L0657: 1, L0666: 1, L0664: 1, H0682: 1, H0683: 1, S0378: 1, L0748: 1, L0751: 1, L0747: 1, L0753: 1, L0608: 1 and H0543: 1.	17q25	114290, 138033, 162100, 170500, 170500, 170500, 180860, 264470
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HOVBX22	1014041	495	223 - 312	2670	Ile-3 to Ser-11, Arg-24 to Glu-30.	H0032: 2, S0144: 2, L0803: 2, L0565: 2, L0438: 2, L0439: 2, S0418: 1, S0358: 1, S0278: 1, H0392: 1, H0592: 1, H0587: 1, L0021: 1, H0052: 1, H0546: 1, T0010: 1, H0271: 1, H0687: 1, S0214: 1, T0006: 1, H0031: 1, H0553: 1, L0142: 1, H0606: 1, H0087: 1, S0142: 1, S0208: 1, S0426: 1, L0761: 1, L0772: 1, L0800: 1, L0648: 1, L0662: 1, L0774: 1, L0653: 1, L0776: 1, L0782: 1, L0664: 1, H0519: 1, H0689: 1, H0690: 1, H0682: 1, H0658: 1, H0672: 1, H0555: 1, L0749: 1, L0756: 1, L0779: 1, L0755: 1, L0591: 1, S0026: 1, S0192: 1 and S0196: 1.		
HOVBX22	1014041	495	223 - 312	2670	Ile-3 to Ser-11, Arg-24 to Glu-30.	H0428: 3		
HPDRB63	1014204	496	2 - 571	2671		H0123: 2, L0764: 2,		

						L0794: 2, L0803: 2, S0356: 1, H0318: 1, H0551: 1, L0662: 1, L0804: 1, H0658: 1, H0539: 1, L0786: 1, H0543: 1 and H0423: 1.			
HNHGJ66	1014252	497	2201 - 2467	2672	Lys-1 to Ser-8, Asn-32 to Asn-41, Gln-48 to Glu-53, Arg-73 to Ser-89.	AR061: 5, AR055: 3, AR096: 3, AR089: 2, AR033: 2, AR060: 2, AR104: 2, AR053: 1 S0038: 1 and S0053: 1.			
HDPPN96	1014432	498	395 - 2434	2673	Met-8 to Lys-13, Met-46 to Lys-52, Leu-89 to Lys-95, Ala-100 to Val-109, Pro-131 to Ser-160, Arg-172 to Thr-178.	H0264: 1 and H0522: 1.	1q22	104770, 107670, 110700, 145001, 146790, 159440, 159440, 159440, 186780, 191030, 191315, 600923, 601412, 601652, 602491	
HPCTH41	1014485	499	165 - 890	2674	Ala-15 to Tyr-24, His-32 to Lys-48, Ala-60 to Gly-73, Ser-82 to Phe-88,	L0731: 10, L0758: 9, L0592: 8, L0770: 7, L0439: 7, L0754: 7, L0766: 5, L0764: 4,	11q25	602782	

Phe-105 to Phe-111, Phe-124 to Thr-138, Glu-211 to Val-217, Val-219 to Gln-224.	L0662: 4, L0659: 4, L0745: 4, L0655: 3, L0666: 3, L0663: 3, S0052: 3, L0748: 3, L0747: 3, L0750: 3, H0170: 2, S0360: 2, S0046: 2, H0013: 2, L0771: 2, L0768: 2, L0794: 2, L0803: 2, L0805: 2, L0664: 2, H0144: 2, L0565: 2, H0658: 2, H0710: 2, L0740: 2, L0749: 2, L0757: 2, L0608: 2, H0556: 1, H0686: 1, H0294: 1, S0114: 1, S0282: 1, S0029: 1, H0306: 1, L0005: 1, S0356: 1, S0300: 1, H0351: 1, H0369: 1, S0222: 1, H0587: 1, T0060: 1, H0250: 1, H0635: 1, H0156: 1, S0010: 1, H0052: 1, H0263: 1, H0596: 1, L0738: 1, H0545: 1, H0103: 1, S0051: 1, S0003: 1, S0214: 1, H0328: 1, L0143: 1, H0616: 1, H0412: 1,
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HPCTY73	1014646	500	2 - 2299	2675	Cys-5 to Gly-10, Ala-22 to Pro-31, -- Lys-107 to Pro-114, Ala-149 to Arg-157, Ile-294 to Leu-299, Ser-356 to Pro-363, Pro-384 to Phe-392,	L0564: 1, S0440: 1, UNKWN: 1, L0598: 1, H0529: 1, L0763: 1, L0371: 1, L0769: 1, L0638: 1, L0761: 1, L0646: 1, L0773: 1, L0648: 1, L0521: 1, L0649: 1, L0389: 1, L0806: 1, L0776: 1, L0657: 1, L0656: 1, L0783: 1, L0382: 1, L0529: 1, L0791: 1, S0374: 1, L0438: 1, H0547: 1, H0659: 1, H0648: 1, S0378: 1, H0522: 1, H0704: 1, S0406: 1, H0436: 1, L0742: 1, L0744: 1, L0756: 1, L0786: 1, L0752: 1, H0444: 1, L0589: 1, L0593: 1, L0362: 1, H0542: 1, S0446: 1 and H0352: 1.	7p15	138079, 138079, 139191, 142959, 153880, 180104, 600994,
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					Ala-474 to Gly-481, Ala-489 to Tyr-494, Pro-512 to Lys-517, Arg-623 to Thr-630, Lys-673 to Ser-678, Thr-703 to His-709, Arg-714 to Arg-720, Gly-755 to Glu-766.	H0543: 6, S0040: 5, S0003: 5, S0022: 5, S0214: 5, S0144: 5, S0037: 5, L0747: 5, L0777: 5, L0362: 5, S0026: 5, T0039: 4, H0318: 4, H0266: 4, H0560: 4, L0590: 4, L0599: 4, L0594: 4, S0011: 4, H0265: 3, H0657: 3, S0116: 3, H0663: 3, S0360: 3, S0045: 3, H0497: 3, H0559: 3, S0010: 3, H0052: 3, L0483: 3, H0090: 3, H0494: 3, L0766: 3, L0659: 3, L0666: 3, H0435: 3, L0602: 3, S0312: 3, L0740: 3, L0750: 3, L0731: 3, L0759: 3, H0542: 3, S0212: 2, H0431: 2, H0024: 2, H0014: 2, H0083: 2, H0428: 2, H0628: 2, H0617: 2, H0634: 2, H0551: 2, L0065: 2, H0509: 2, S0150: 2, S0210: 2, H0529: 2, L0770: 2, L0768: 2,		601649
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HCOPQ33	1014730	501	3 - 380	2676	Ser-3 to Gln-34, Pro-43 to Ser-48, Pro-51 to Tyr-69, Asn-87 to Pro-92, Pro-107 to Val-119.	H0008: 1, S0360: 8, S0356: 6, L0769: 6, L0598: 4, L0666: 4, L0750: 4, L0779: 4, L0758: 4, H0013: 3, L0803: 3, L0517: 3, L0809: 3, S0222: 2, H0592: 2, L0471: 2, H0169: 2, L0761: 2, L0764: 2, L0771: 2, L0776: 2, L0783: 2, L0664: 2, H0144: 2, H0670: 2, S0380: 2, L0748: 2, L0747: 2, L0777: 2, S0026: 2, H0624: 1, H0171: 1, S0040: 1, S6024: 1, L0002: 1, H0663: 1, L0005: 1, S6026: 1, H0351: 1, H0455: 1, H0600: 1, T0040: 1, H0244: 1, S0010: 1, H0052: 1, L0738: 1, S0316: 1, H0328: 1, H0615: 1, H0388: 1, H0135: 1, T0067: 1, H0059: 1, H0560: 1, H0647: 1, L0763: 1, L0646: 1, L0773: 1, L0662: 1,		
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HOEBR36	1014754	502	396 - 1061	2677			T0004: 2, L0372: 1, L0521: 1, L0806: 1, S0126: 1, H0435: 1 and L0731: 1.			
HLWDZ66	1014849	503	3 - 695	2678	Asp-24 to Val-36, Lys-38 to Glu-49, Pro-80 to Ser-90, Thr-131 to Gly-138.		AR096: 5, AR033: 4, AR089: 3, AR053: 3, AR052: 3, AR060: 3, AR039: 2, AR104: 1, AR055: 1, AR061: 1 L0803: 6, L0759: 6, L0666: 4, L0805: 3, L0756: 3, L0362: 3, S0442: 2, L0646: 2, L0794: 2, L0766: 2, L0659: 2, H0144: 2, L0438: 2, H0520: 2, L0779: 2, L0596: 2, H0423: 2, L0600: 2, H0170: 1, S0114: 1, H0650: 1, S0358: 1,			

HOEER36	1014869	504	3051 - 2260	2679	Ala-32 to Ala-38, Pro-55 to Glu-72, Ala-83 to Glu-109, Glu-114 to Leu-121, Thr-135 to Lys-143, Leu-149 to Lys-166, Val-173 to Ser-178, Lys-185 to Gln-195, Pro-208 to Thr-214, Gln-243 to Arg-253, Lys-259 to Lys-264.	S0444: 1, S0360: 1, H0329: 1, S0222: 1, H0497: 1, H0036: 1, S0474: 1, H0051: 1, H0687: 1, S0214: 1, H0615: 1, H0428: 1, H0622: 1, H0553: 1, H0598: 1, H0040: 1, H0634: 1, L0060: 1, T0041: 1, S0422: 1, L0773: 1, L0774: 1, L0657: 1, L0809: 1, L0789: 1, L0664: 1, S0126: 1, H0689: 1, H0435: 1, H0670: 1, L0748: 1, L0439: 1, L0731: 1, S0031: 1 and S0434: 1.	L0439: 13, L0766: 11, L0747: 11, L0740: 10, L0752: 9, L0776: 8, L0809: 7, L0777: 7, L0769: 6, L0803: 6, L0748: 6, L0759: 6, L0764: 5, H0659: 5, L0755: 5, L0761: 4, L0806: 4, L0438: 4, L0749: 4, L0779: 4, L0758: 4, H0083: 3, L0796: 3, L0662: 3,	6p23	125264, 600511, 601556
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HE8OX75	1015010	505	18 - 170	2680	Ser-1 to Tyr-6.	H0046: 1, N0006: 1, H0123: 1, L0471: 1, S0388: 1, S0214: 1, H0252: 1, L0483: 1, H0553: 1, S0036: 1, H0591: 1, H0038: 1, H0040: 1, H0616: 1, T0067: 1, H0413: 1, S0386: 1, T0042: 1, H0560: 1, L0598: 1, H0529: 1, L0520: 1, L0762: 1, L0772: 1, L0646: 1, L0771: 1, L0794: 1, L0375: 1, L0805: 1, L0657: 1, L0367: 1, L0787: 1, L0666: 1, H0144: 1, S0126: 1, H0648: 1, H0672: 1, S0328: 1, H0521: 1, S0037: 1, L0754: 1, L0757: 1, H0444: 1, L0591: 1, H0667: 1, H0216: 1 and H0543: 1.		
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HDPXP07	1015059	507	3 - 242	2682	Lys-1 to Trp-11, Asn-13 to Lys-30,	L0638: 1, L0641: 1, L0643: 1, L0764: 1, L0363: 1, L0649: 1, L0774: 1, L0775: 1, L0376: 1, L0805: 1, L0527: 1, L0657: 1, L0512: 1, L0783: 1, L0382: 1, L0787: 1, L0532: 1, S0216: 1, L0438: 1, H0520: 1, H0593: 1, H0690: 1, H0682: 1, H0683: 1, H0435: 1, H0670: 1, H0660: 1, H0666: 1, H0648: 1, S0380: 1, H0518: 1, H0696: 1, S0044: 1, S0146: 1, S0406: 1, S3012: 1, S0027: 1, S0028: 1, L0746: 1, L0749: 1, L0779: 1, L0777: 1, L0731: 1, L0758: 1, S0031: 1, L0599: 1, L0608: 1, L0595: 1, H0668: 1, H0665: 1, S0276: 1, H0423: 1, S0424: 1, UNKWN: 1, L0600: 1 and H0008: 1.		
						L0766: 7, L0769: 4, L0747: 4, L0758: 4,		

				Leu-33 to Thr-53.	H0251: 3, L0805: 3, S0007: 2, S0414: 2, H0644: 2, H0672: 2, S0026: 2, H0686: 1, H0713: 1, H0663: 1, S0376: 1, S0360: 1, S0046: 1, L0717: 1, H0574: 1, H0486: 1, H0427: 1, H0596: 1, L0040: 1, L0738: 1, H0046: 1, H0571: 1, L0471: 1, S0051: 1, H0510: 1, S0003: 1, S0214: 1, H0674: 1, H0708: 1, H0038: 1, H0412: 1, H0646: 1, S0002: 1, L0773: 1, L0662: 1, L0767: 1, L0794: 1, L0804: 1, L0806: 1, L0776: 1, L0606: 1, L0783: 1, L0792: 1, L0665: 1, H0660: 1, H0648: 1, H0521: 1, H0555: 1, L0743: 1, L0756: 1, L0777: 1, L0755: 1, L0759: 1, S0031: 1, L0362: 1, H0542: 1 and H0543: 1.				
HE2KH02	1015093	508	1 - 615	2683	L0777: 11, L0438: 7,				

L0759: 6, L0748: 5, H0052: 4, L0779: 4, H0013: 3, L0598: 3, L0770: 3, H0624: 2, H0717: 2, S0442: 2, S0354: 2, L0149: 2, S0046: 2, S0010: 2, H0050: 2, H0328: 2, UNKWN: 2, L0803: 2, L0776: 2, L0659: 2, H0670: 2, H0660: 2, L0439: 2, L0747: 2, L0749: 2, L0731: 2, L0594: 2, H0542: 2, H0170: 1, H0171: 1, L0785: 1, H0384: 1, S0358: 1, H0549: 1, S0222: 1, H0632: 1, S0414: 1, S0474: 1, S0049: 1, H0194: 1, H0327: 1, H0046: 1, H0051: 1, S0051: 1, T0010: 1, H0083: 1, S0003: 1, H0644: 1, H0628: 1, H0316: 1, S0036: 1, H0040: 1, H0413: 1, H0100: 1, S0150: 1, L0769: 1, L0373: 1, L0765: 1, I0662: 1 I0794: 1,
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							L0649: 1, L0804: 1, L0805: 1, L0789: 1, L0666: 1, L0663: 1, L0665: 1, H0144: 1, S0374: 1, H0520: 1, H0658: 1, H0666: 1, H0672: 1, S0380: 1, S0406: 1, L0754: 1, L0756: 1, L0758: 1, S0031: 1 and L0589: 1.			
HSPSI60	1015133	509	2230 - 1901	2684	Gln-20 to Glu-27, Ser-43 to Ser-49, Ser-89 to Ala-95.		L0766: 5, L0438: 3, L0777: 3, H0090: 2, L0439: 2, L0731: 2, L0759: 2, S0114: 1, H0318: 1, L0471: 1, H0687: 1, H0509: 1, H0695: 1, L0803: 1, L0774: 1, L0775: 1, L0523: 1, L0806: 1, L0776: 1, L0809: 1, L0666: 1, H0690: 1, H0683: 1, H0659: 1, H0670: 1, L0749: 1 and L0779: 1.			
HOCOC26	1015143	510	97 - 693	2685	Pro-1 to Ser-9, Glu-48 to Gly-54, Gly-66 to Leu-71, Pro-78 to Glu-84, Ala-108 to Gln-116, Ile-167 to Asp-172,		L0748: 11, L0750: 5, L0740: 4, L0756: 4, L0758: 4, L0769: 3, L0766: 3, L0776: 3, L0779: 3, H0135: 2, L0763: 2, L0770: 2,			

					Thr-179 to His-185.	L0796: 2, L0768: 2, L0774: 2, L0783: 2, L0809: 2, L0438: 2, H0519: 2, H0672: 2, L0751: 2, L0747: 2, L0777: 2, L0755: 2, L0757: 2, H0341: 1, S0356: 1, S0442: 1, S0444: 1, S0360: 1, S0046: 1, H0431: 1, T0040: 1, H0599: 1, H0327: 1, H0046: 1, H0024: 1, H0014: 1, H0510: 1, H0688: 1, H0708: 1, H0413: 1, H0131: 1, S0150: 1, S0426: 1, L0373: 1, L0646: 1, L0771: 1, L0773: 1, L0650: 1, L0666: 1, S0374: 1, H0684: 1, H0660: 1, S0380: 1, S0406: 1, L0749: 1, L0752: 1, L0753: 1, L0588: 1, L0599: 1, H0543: 1, H0423: 1 and H0422: 1.			
HHEDC05	1015204	511	1035 - 7	2686	Pro-43 to Cys-48, Thr-75 to Gln-82.	H0695: 124, H0542: 48, H0730: 32, H0688: 27, H0735: 25, H0684: 24, H0728: 23, H0687:			

					23, H0744: 19, H0703: 19, H0580: 18, H0717: 17, H0685: 15, H0729: 15, H0722: 15, H0740: 13, H0733: 11, H0521: 9, H0713: 8, H0543: 8, H0494: 7, H0689: 7, H0716: 6, H0741: 6, H0696: 6, H0734: 5, H0739: 4, H0545: 4, H0699: 4, H0725: 4, H0686: 3, H0592: 3, H0587: 3, H0581: 3, H0743: 3, H0726: 3, H0690: 3, H0683: 3, H0732: 3, H0712: 3, H0742: 2, H0544: 2, H0708: 2, H0488: 2, H0724: 2, H0710: 2, H0709: 2, H0555: 2, H0171: 1, H0738: 1, S0282: 1, H0600: 1, H0586: 1, H0318: 1, H0617: 1, S0036: 1, H0561: 1, S0422: 1, S0053: 1, S0216: 1, H0723: 1, H0522: 1, S0146: 1, H0727: 1, S0260: 1 and S0436: 1.					
HODES86	1015304	512	89 - 421	2687		L0753: 3, H0615: 1				

HOPJU57	1015324	513	943 - 1164	2688	Gly-1 to Tyr-6, Lys-10 to Gly-19, Ser-46 to Lys-59.	and H0683: 1, H0585: 21, L0742: 12, L0747: 9, S0358: 8, H0052: 8, S0126: 8, H0141: 7, H0620: 7, L0748: 7, H0009: 6, H0624: 4, S0408: 4, H0427: 4, H0081: 4, S0051: 4, H0660: 4, L0750: 4, S0444: 3, H0393: 3, H0599: 3, H0618: 3, L0471: 3, H0083: 3, H0617: 3, H0708: 3, H0413: 3, H0494: 3, H0672: 3, L0740: 3, L0751: 3, L0755: 3, H0171: 2, H0294: 2, S0046: 2, H0455: 2, H0333: 2, H0156: 2, H0002: 2, H0097: 2, H0706: 2, S0049: 2, H0024: 2, H0373: 2, H0356: 2, S0364: 2, S0366: 2, H0135: 2, H0412: 2, S0440: 2, L0640: 2, L0766: 2, L0532: 2, L0754: 2, L0757: 2, S0031: 2, L0604: 2, H0506: 2, H0161: 1,		
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HVCAC71	1015343	514	2 - 1204	2689	Pro-13 to Pro-23.	L0807: 1, H0593: 1, H0682: 1, H0684: 1, H0658: 1, H0670: 1, S0330: 1, H0522: 1, H0576: 1, L0612: 1, S0314: 1, S0027: 1, L0744: 1, L0745: 1, L0731: 1, H0445: 1 and S0434: 1. H0494: 6, H0046: 5, S0028: 5, H0519: 4, H0713: 3, H0547: 3, H0458: 2, H0574: 2, H0013: 2, H0551: 2, T0042: 2, L0438: 2, H0521: 2, S3014: 2, H0423: 2, H0506: 2, H0170: 1, H0171: 1, H0716: 1, S0134: 1, H0650: 1, H0656: 1, H0341: 1, S0212: 1, S0282: 1, H0449: 1, H0638: 1, S0418: 1, S0354: 1, S0358: 1, S0045: 1, S0132: 1, S0476: 1, S0280: 1, H0599: 1, H0575: 1, T0082: 1, H0036: 1, S0010: 1, H0581: 1, H0052: 1, H0251: 1,	4q21-q25	104500, 125490, 137600, 147790, 173910, 189800, 217030, 248510, 252500, 252500, 600919, 601542
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HSXCO55	1015360	515	6 - 1076	2690	Val-9 to Gly-18, -- Pro-21 to Gly-27, Gly-81 to Trp-91, Lys-120 to Gly-126, Ile-166 to Pro-172, Val-185 to Ala-192	H0596: 1, H0530: 1, H0544: 1, H0081: 1, H0050: 1, H0014: 1, H0373: 1, S0003: 1, S0022: 1, L0194: 1, H0213: 1, H0644: 1, S0364: 1, S0366: 1, H0040: 1, H0634: 1, T0067: 1, H0268: 1, H0623: 1, L0475: 1, H0561: 1, S0150: 1, H0646: 1, L0766: 1, H0702: 1, S0374: 1, H0520: 1, H0683: 1, H0435: 1, H0660: 1, H0666: 1, H0672: 1, S0380: 1, H0696: 1, S0027: 1, S0032: 1, L0740: 1, L0747: 1, S0434: 1, S0436: 1, L0597: 1, H0667: 1, S0194: 1, H0542: 1, H0543: 1, S0424: 1 and H0293: 1.		
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					Asp-207 to Ser-212, Ser-241 to Lys-248, Trp-250 to Tyr-258, Gln-287 to Asn-292.	L0659: 2, L0809: 2, L0666: 2, H0144: 2, H0658: 2, L0754: 2, L0750: 2, L0756: 2, L0777: 2, L0780: 2, H0624: 1, H0170: 1, H0171: 1, H0556: 1, S0402: 1, S0282: 1, H0645: 1, L0717: 1, H0586: 1, L0586: 1, H0427: 1, S0010: 1, H0046: 1, H0457: 1, H0050: 1, L0471: 1, S0051: 1, T0010: 1, S6028: 1, H0688: 1, H0031: 1, H0169: 1, S0036: 1, H0135: 1, H0494: 1, H0560: 1, S0438: 1, H0207: 1, H0633: 1, H0647: 1, S0142: 1, S0422: 1, L0803: 1, L0804: 1, L0776: 1, L0655: 1, S0148: 1, H0547: 1, S0126: 1, H0683: 1, H0670: 1, H0672: 1, H0539: 1, L0744: 1, L0757: 1, L0758: 1, L0759: 1, L0593: 1, H0543: 1 and H0423: 1.		
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HLWDB78	1015430	516	57 - 629	2691	Lys-90 to Arg-96.	L0766: 4, L0748: 4, S0037: 2, L0749: 2, S0360: 1, H0571: 1, S0003: 1, H0553: 1, H0551: 1, S0142: 1, S0002: 1, L0794: 1, L0804: 1, H0519: 1, H0659: 1, H0660: 1, L0754: 1 and H0136: 1.		
HPCQU04	1015563	517	216 - 1232	2692		H0585: 26, H0141: 12, 4q21 H0623: 6, L0766: 6, H0013: 5, H0318: 5, H0556: 4, H0657: 4, H0457: 4, L0471: 4, L0776: 4, H0659: 4, S0360: 3, H0599: 3, S0010: 3, S0003: 3, H0634: 3, T0067: 3, H0538: 3, L0598: 3, L0770: 3, L0764: 3, H0144: 3, L0751: 3, L0747: 3, L0757: 3, L0758: 3, H0445: 3, H0542: 3, T0002: 2, S0418: 2, S0376: 2, S0132: 2, S0222: 2, H0497: 2, H0559: 2, H0620: 2, H0083: 2, H0428: 2, H0124: 2, H0068: 2, H0090: 2,	104500, 125490, 147790, 173910, 252500, 252500	

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HAOSL81	1015620	519	28 - 747	2694	Gln-167 to Gln-180, Leu-183 to Phe-195, Gln-211 to Gln-223, Gln-232 to Leu-244, Gln-253 to Ala-269, Pro-274 to Leu-292, Thr-302 to Thr-330. Asp-1 to Lys-6, Gln-29 to Gly-35, Pro-39 to Arg-49, Pro-51 to Trp-58, Ser-78 to Gly-83, Ser-179 to His-194.	H0124: 11, L0751: 5, L0747: 4, H0295: 3, H0620: 3, L0794: 3, L0741: 3, L0758: 3, H0686: 2, H0549: 2, H0617: 2, L0768: 2, L0766: 2, L0774: 2, L0745: 2, L0731: 2, H0656: 1, S0420: 1, S0444: 1, S0360: 1, S0408: 1, S0222: 1, H0486: 1, H0013: 1, L0021: 1, H0052: 1, H0327: 1, H0009: 1, T0010: 1, H0033: 1, H0604: 1, H0031: 1, H0068: 1, H0038: 1, H0100: 1, H0509: 1, L0769: 1, L0761: 1, L0804: 1, L0775: 1, L0636: 1, L0809: 1, L0792: 1, L4501: 1, L0665: 1, L0438: 1,		
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HMWTU46	1015814	520	1 - 1152	2695	Gly-4 to Gln-11, Val-87 to Asn-97, Gly-168 to Leu-178, Asp-194 to Phe-200, Phe-205 to Arg-210, Gln-292 to Gly-306, Gly-328 to Ser-342, Gly-349 to Asp-358, His-365 to Asp-379.	H0684: 1, H0660: 1, H0539: 1, H0555: 1, L0742: 1, L0786: 1, H0668: 1 and S0424: 1.	20q11.21- q11.23	
HSXCQ19	1015994	521	3 - 1100	2696	Gly-5 to Ala-25, Pro-28 to Leu-43, Pro-45 to Glu-57, Pro-64 to Trp-70, Gly-76 to Ala-90, Gly-99 to Gly-106.	L0809: 7, L0758: 7, S0007: 4, L0662: 4, L0794: 4, L0665: 4, L0439: 4, L0754: 4, H0333: 3, L0769: 3, L0761: 3, L0803: 3, H0395: 2, S0222: 2, H0124: 2, S0036: 2, L0535: 2, L0666: 2, H0658: 2, L0751: 2, L0747: 2, L0485: 2, H0716: 1, H0295: 1, H0402: 1, S0418: 1, S0442: 1, H0619: 1, H0586: 1, L0623: 1, H0486: 1, S0280: 1, L0021: 1, H0618: 1,		

HNOAG06	1016272	522	316 - 546	2697	Pro-8 to Asn-22, Thr-31 to Ser-36.	H0318: 1, H0052: 1, H0251: 1, H0123: 1, H0050: 1, H0012: 1, S0051: 1, H0179: 1, H0615: 1, T0006: 1, H0673: 1, H0135: 1, H0087: 1, H0264: 1, H0100: 1, L0763: 1, L5565: 1, L0667: 1, L0772: 1, L0644: 1, L0768: 1, L0775: 1, L0805: 1, L0655: 1, L0659: 1, L0526: 1, L0663: 1, S0052: 1, H0682: 1, H0660: 1, L0602: 1, L0743: 1, L0750: 1, L0756: 1, L0779: 1, L0777: 1, L0592: 1, H0136: 1 and S0424: 1.	1q21.1	104770, 107670, 110700, 145001, 146790, 191315, 601412, 601652, 601863, 602491
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HE2KN09	1016351	523	3 - 656	2698		AR052: 27, AR033: 27, AR039: 25, AR053: 24, AR055: 19, AR089: 19, AR096: 19, AR104: 17, AR060: 14, AR061: 12 L0776: 4, L0783: 4, H0624: 3, H0559: 3, H0620: 3, H0615: 3, H0100: 3, L0769: 3, L0766: 3, L0755: 3, H0619: 2, H0081: 2, H0604: 2, L0775: 2, L0375: 2, L0659: 2, L0809: 2, H0670: 2, H0672: 2, H0539: 2, L0777: 2, L0759: 2, T0002: 1, H0295: 1, T0049: 1, H0657: 1, H0381: 1, H0661: 1, H0662: 1, S0442: 1, S0376: 1, S0360: 1, S0408: 1, H0550: 1,			

							S0222: 1, H0486: 1, H0156: 1, H0599: 1, H0052: 1, H0597: 1, H0545: 1, H0565: 1, H0563: 1, H0012: 1, H0373: 1, H0266: 1, H0292: 1, H0284: 1, T0006: 1, H0181: 1, H0617: 1, H0264: 1, H0413: 1, H0059: 1, H0494: 1, H0509: 1, H0529: 1, L0763: 1, L0770: 1, L0796: 1, L0639: 1, L0646: 1, L0643: 1, L0645: 1, L0774: 1, L0806: 1, L0519: 1, L0665: 1, H0144: 1, L0438: 1, L0352: 1, H0520: 1, H0547: 1, S0126: 1, H0658: 1, S0378: 1, S0380: 1, H0521: 1, H0696: 1, H0576: 1, L0439: 1, L0747: 1, L0750: 1, L0752: 1, L0753: 1, L0731: 1 and H0543: 1.			
HISDH58	1016740	524	1678 - 248	2699	Asp-55 to Cys-73, Pro-75 to Tyr-85.		H0620: 1, H0130: 1 and H0539: 1.			
HSPSB62	1016768	525	148 - 990	2700	Leu-36 to Glu-41,		S0276: 7, H0543: 6,			

					Asp-48 to Asp-55, Ser-104 to Glu-199, Pro-202 to Trp-233, Gly-236 to Ala-247, Phe-256 to Ser-263, Glu-273 to Asp-281.	S0358: 3, H0046: 3, H0424: 3, L0748: 3, H0265: 2, H0556: 2, H0661: 2, S0420: 2, H0052: 2, H0135: 2, H0090: 2, H0433: 2, L0752: 2, L0758: 2, H0422: 2, H0657: 1, H0484: 1, H0483: 1, H0638: 1, S0360: 1, S0132: 1, H0645: 1, H0550: 1, H0391: 1, T0039: 1, H0250: 1, S0010: 1, H0009: 1, H0123: 1, H0081: 1, S0051: 1, H0428: 1, H0040: 1, S0038: 1, S0144: 1, H0547: 1, H0593: 1, H0683: 1, H0670: 1, H0518: 1, H0134: 1, S0037: 1, S3014: 1, S0027: 1, S0032: 1, L0744: 1, L0740: 1, L0746: 1, L0731: 1, H0445: 1, L0596: 1, S0011: 1 and H0542: 1.		
HE2FR37	1016939	526	109 - 729	2701	Gly-1 to Met-15, Met-60 to Gln-67, Val-76 to Gly-82,	AR060: 2, AR089: 2, AR055: 1, AR061: 1, AR096: 1, AR104: 0,		

					Leu-117 to Arg-123.	AR053: 0, AR033: 0, AR039: 0 H0328: 2, H0124: 2, L0766: 2, H0171: 1, L0005: 1, S0360: 1, H0329: 1, H0156: 1, H0615: 1, H0477: 1, S0440: 1, L0598: 1, H0547: 1, S0126: 1, S0168: 1 and H0595: 1.			
HBJHU33	1017051	527	1 - 618	2702	Met-34 to Gly-50, Asp-69 to Trp-90, Asp-99 to Lys-107, Val-164 to Thr-170.				
HCOQZ88	1017227	528	3 - 1196	2703	His-1 to Arg-12.	L0748: 38, L0747: 30, L0759: 7, S0360: 5, L0664: 5, L0779: 5, H0486: 4, S0010: 4, L0758: 4, S0222: 3, L0455: 3, S0386: 3, L0764: 3, L0771: 3, L0775: 3, L0438: 3, S0028: 3, L0749: 3, H0580: 2, H0208: 2, H0013: 2, S0280: 2, H0575: 2, H0251: 2, H0024: 2, S0214: 2, H0428: 2, H0622: 2, H0031: 2, H0644: 2, L0646: 2, L0800: 2,	6q23	107470, 107470, 107470, 121014, 142470, 156225, 164200, 164200, 207800, 601316, 601410, 601757, 602067	

	L0773: 2, L0662: 2, L0794: 2, L0804: 2, H0521: 2, L0752: 2, S0026: 2, H0583: 1, H0459: 1, S0418: 1, S0356: 1, H0675: 1, S0045: 1, H0619: 1, H0441: 1, T0039: 1, T0109: 1, H0581: 1, H0263: 1, H0596: 1, H0232: 1, H0327: 1, L0471: 1, H0057: 1, H0375: 1, H0266: 1, S0003: 1, H0688: 1, H0553: 1, H0376: 1, H0163: 1, H0090: 1, H0591: 1, H0616: 1, S0370: 1, S0382: 1, H0529: 1, L0770: 1, L0769: 1, L0638: 1, L0761: 1, L0772: 1, L0642: 1, L0767: 1, L0768: 1, L0364: 1, L0766: 1, L0606: 1, L0659: 1, L0809: 1, L0663: 1, H0144: 1, L0565: 1, L0352: 1, S0126: 1, H0682: 1, H0659: 1, H0670: 1, H0672: 1, L0602: 1,					
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HNTSV21	1017374	529	673 - 1008	2704	Asn-41 to Lys-46, Pro-73 to Lys-92.				L0599: 2, H0265: 1, S0114: 1, S0116: 1, H0486: 1, H0031: 1, H0090: 1, H0616: 1, H0547: 1, H0670: 1, L0743: 1, L0744: 1, L0747: 1 and L0592: 1.	1		
HNORH33	1017461	530	255 - 2063	2705					S0358: 11, L0777: 9, H0046: 8, L0439: 6, L0759: 6, L0438: 5, L0662: 4, L0794: 4, L0766: 4, S0114: 3, L0803: 3, L0789: 3, H0144: 3, S0126: 3, L0748: 3, S0011: 3, S0196: 3, H0686: 2, H0250: 2, H0024: 2, H0031: 2, H0628: 2, H0056: 2, L0667: 2, L0805: 2, L0659: 2, L0809: 2, L0663: 2, L0665: 2, S0328: 2, H0521: 2, S3014: 2,			



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HUFEF35	1017565	531	162 - 2159	2706		S0276: 34, S0360: 25, L0666: 25, L0665: 14,	12q24.2- q24.3	100650, 100650,		

S0194: 14, L0748: 13, L0662: 12, H0553: 9, L0663: 9, L0664: 8, H0547: 8, H0658: 8, H0506: 8, L0500: 7, L0659: 7, H0486: 6, L0526: 6, H0659: 6, H0672: 6, S0406: 6, S0434: 6, H0318: 5, H0428: 5, H0412: 5, L0653: 5, L0657: 5, L0517: 5, H0519: 5, H0170: 4, H0685: 4, H0657: 4, S0358: 4, H0083: 4, H0031: 4, H0551: 4, S0440: 4, L0770: 4, S0374: 4, S0328: 4, H0696: 4, H0445: 4, L0596: 4, L0608: 4, H0542: 4, H0624: 3, H0686: 3, S6024: 3, S0356: 3, S0354: 3, S0408: 3, H0581: 3, H0046: 3, H0510: 3, H0328: 3, H0644: 3, H0038: 3, T0067: 3, S0450: 3, L0598: 3, L0520: 3, L0646: 3, L0521: 3, L0768: 3, L0375: 3,	142410, 142410, 142410, 160781, 181405.
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HJPCG39	1017694	532	1 - 132	2707	Ser-19 to Arg-24.	L0650: 1, L0774: 1, L0651: 1, L0654: 1, L0513: 1, L0558: 1, L0782: 1, L0783: 1, L0384: 1, L0383: 1, L0382: 1, L0528: 1, L0647: 1, L0792: 1, H0144: 1, S0296: 1, T0068: 1, S0148: 1, L0438: 1, L0352: 1, H0689: 1, H0690: 1, H0682: 1, H0684: 1, H0666: 1, H0651: 1, S0380: 1, L0602: 1, H0710: 1, H0522: 1, H0694: 1, S0404: 1, H0478: 1, H0631: 1, S0028: 1, L0742: 1, L0749: 1, L0750: 1, L0779: 1, L0755: 1, L0758: 1, L0759: 1, S0031: 1, H0444: 1, H0707: 1, L0591: 1, L0592: 1, H0668: 1, H0665: 1, S0192: 1, S0242: 1, H0423: 1, H0422: 1, S0424: 1, S0460: 1 and S0384: 1.		
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HISBM03	1017772	533	748 - 924	2708	Pro-2 to Leu-8, Phe-12 to Arg-20, Thr-32 to Lys-38.	L0776: 2, L0666: 2, L0665: 2, L0758: 2, L0759: 2, H0392: 1, H0581: 1, L0471: 1, H0083: 1, H0687: 1, S0003: 1, L0769: 1, L0639: 1, L0648: 1, L0375: 1, L0657: 1, L0659: 1, L0518: 1, H0659: 1 and L0777: 1.		
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S0358: 1, S0408: 1, H0580: 1, H0733: 1, S0132: 1, H0619: 1, S0278: 1, H0261: 1, H0600: 1, H0642: 1, H0632: 1, H0559: 1, H0486: 1, H0156: 1, H0274: 1, H0196: 1, H0596: 1, H0327: 1, H0530: 1, H0046: 1, H0123: 1, H0050: 1, H0012: 1, H0049: 1, H0024: 1, H0014: 1, H0015: 1, S0051: 1, T0010: 1, H0083: 1, H0594: 1, H0615: 1, H0688: 1, H0031: 1, L0142: 1, H0111: 1, H0032: 1, H0212: 1, T0067: 1, H0433: 1, H0100: 1, T0042: 1, L0475: 1, S0438: 1, S0142: 1, S0208: 1, S0002: 1, L0369: 1, L0763: 1, L0667: 1, L0646: 1, L0764: 1, L0773: 1, L0768: 1, L0650: 1, L0656: 1, L0659: 1, L0783: 1, L0367: 1, L0787: 1,
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HOFAA79	1017801	534	2 - 559	2709	Ala-15 to Asp-26, Phe-108 to Trp-113, Glu-167 to Tyr-175.	L0790: 1, L0792: 1, L0663: 1, H0144: 1, L0352: 1, H0547: 1, S0126: 1, H0658: 1, H0670: 1, H0696: 1, H0134: 1, S0406: 1, H0626: 1, S3012: 1, S0390: 1, L0786: 1, H0595: 1, S0434: 1, L0599: 1, H0653: 1, H0667: 1, S0192: 1, H0542: 1, H0543: 1, H0422: 1, S0042: 1 and S0424: 1.			
						AR089: 17, AR039: 16, AR096: 16, AR053: 16, AR052: 13, AR033: 12, AR060: 11, AR055: 8, AR104: 7, AR061: 6 H0415: 1 and H0414: 1.	11		
HPRAJ96	1017825	535	587 - 429	2710		L0740: 21, L0748: 14, L0731: 10, L0747: 9, L0752: 9, L0757: 7, H0674: 6, L0750: 6, S0358: 5, L0768: 5, L0809: 5, H0648: 5, L0779: 5, H0318: 4, L0766: 4, L0776: 4,	1p36.1		116600, 120550, 120570, 120575, 130500, 133200, 171760, 171760,

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HBXFX71	1018032	536	1 - 123	2711		Pro-1 to Ser-6, Pro-9 to Pro-16, Pro-34 to Leu-41.		H0549: 5, L0769: 5, L0157: 4, L0742: 3, S0010: 2, H0620: 2, S0051: 2, H0617: 2, H0483: 1, H0661: 1, S0420: 1, S0045: 1, H0411: 1, H0550: 1, H0370: 1, H0438: 1, H0434: 1, H0545: 1, H0615: 1, S0112: 1, H0494: 1, L0770: 1, L0364: 1, L0783: 1, L0809: 1, L0666: 1, H0547: 1, H0682: 1, H0672: 1, L0779: 1, L0758: 1 and L0592: 1.		
HMVDD81	1018080	537	14 - 745	2712		Arg-8 to Gly-17, Gly-29 to Pro-45, Arg-62 to Leu-84, Gln-87 to Leu-96, Glu-103 to Val-114, Gln-141 to Cys-153, Ile-162 to Glu-180, Arg-186 to Lys-211, Asn-219 to Asn- 228.		H0694: 92, L0747: 14, L0766: 13, L0764: 7, S0126: 7, L0439: 7, L0758: 7, L0759: 7, H0657: 6, H0656: 6, S0358: 6, H0266: 6, L0763: 6, L0776: 6, L0655: 6, L0659: 6, L0666: 6, L0748: 6, L0777: 6, L0752: 6, H0445: 6, H0486: 5,		

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					<p>Thr-353 to Ser-360, Gln-365 to Val-379, Pro-381 to Arg-390, Glu-418 to Gln-423, Leu-438 to Ser-445.</p>	<p>S0142: 4, S0426: 4, L0663: 4, H0435: 4, S0027: 4, L0742: 4, L0754: 4, L0758: 4, H0265: 3, H0556: 3, S0040: 3, S0212: 3, S0045: 3, H0599: 3, H0253: 3, T0048: 3, H0266: 3, H0271: 3, S0250: 3, H0494: 3, S0440: 3, H0641: 3, S0144: 3, L0646: 3, L0662: 3, L0775: 3, L0809: 3, L0749: 3, L0777: 3, L0752: 3, H0542: 3, T0002: 2, H0295: 2, H0662: 2, H0306: 2, S0356: 2, S0442: 2, S0360: 2, H0580: 2, H0393: 2, S0222: 2, H0592: 2, H0559: 2, T0039: 2, H0013: 2, H0250: 2, S0280: 2, H0575: 2, H0581: 2, H0597: 2, H0544: 2, H0545: 2, H0046: 2, H0179: 2, H0252: 2, H0039: 2, H0030: 2, H0628: 2, H0617: 2, H0124: 2,</p>		
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HNNBT57	1018243	539	377 - 3	2714	Pro-9 to Ala-24, Thr-52 to Gly-61, Thr-64 to Ser-70.	H0677: 7			
HCONJ11	1018459	540	1937 - 1125	2715	His-11 to Ala-17, Pro-29 to Ser-35, Asn-59 to Asp-64, Lys-67 to Leu-72, Gln-101 to Asp-110, Pro-157 to Lys-176, Gln-181 to Lys-210, Gln-213 to Lys-228, Pro-253 to Asn-264.	H0581: 3, H0615: 3, L0766: 3, L0777: 3, H0657: 2, H0486: 2, H0013: 2, H0641: 2, L0803: 2, S0011: 2, H0543: 2, H0423: 2, H0556: 1, H0341: 1, S0420: 1, S0356: 1, H0580: 1, H0586: 1, H0575: 1, S0049: 1, H0263: 1, H0545: 1, H0150: 1, H0041: 1, H0009: 1, L0471: 1, H0014: 1, S0051: 1, S0003: 1, H0328: 1, H0622: 1, H0032: 1, H0674: 1, H0038: 1,	10q23	174900, 236730, 601493	

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HCQAW68	1018501	541	1652 - 1212	2716	Asn-19 to Ile-26, Val-44 to Lys-54, Arg-70 to Val-83, Arg-95 to Thr-100, Arg-136 to Arg-141.	L0748: 4, L0777: 4, L0756: 2, H0263: 1, H0046: 1, H0023: 1, H0188: 1, L0761: 1, L0662: 1, L0526: 1, L0790: 1, L0747: 1 and L0758: 1.				
HVVCY25	1018772	542	1170 - 355	2717	Ser-7 to Trp-12, Pro-28 to Gly-58, Lys-212 to Cys-218, Glu-229 to Gly-235.	H0547: 10, H0542: 10, H0266: 9, L0794: 7, S0358: 6, H0559: 6, L0803: 6, L0666: 6, L0601: 6, H0013: 5,	19p13.3- p13.2	108725, 120700, 133171, 136836, 143890,		

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H0696: 2, H0555: 2, H0436: 2, S0027: 2, L0439: 2, L0779: 2, S0434: 2, L0596: 2, H0136: 2, H0543: 2, H0423: 2, L0600: 2, H0624: 1, H0171: 1, H0685: 1, H0583: 1, H0650: 1, H0656: 1, S0116: 1, S0212: 1, S0282: 1, H0484: 1, H0255: 1, H0662: 1, H0638: 1, H0125: 1, S0418: 1, S0420: 1, S0356: 1, S0376: 1, S0132: 1, H0437: 1, H0261: 1, H0549: 1, H0370: 1, L0586: 1, H0069: 1, T0048: 1, H0196: 1, H0052: 1, H0204: 1, H0545: 1, H0009: 1, H0566: 1, H0081: 1, H0050: 1, H0012: 1, T0003: 1, H0373: 1, S0388: 1, T0010: 1, H0375: 1, H0687: 1, L0483: 1, H0031: 1, H0553: 1, H0644: 1, H0628: 1, H0617: 1, H0606: 1,	
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HVVCF30	1018907	544	50 - 319	2719	Pro-13 to Ala-20, Pro-53 to Ser-61.					
HODBV21	1018943	545	1186 - 476	2720			H0328: 2			
HCHMD81	1019326	546	1 - 1005	2721	Ala-4 to Ala-11.		L0758: 9, L0770: 7, H0620: 6, L0731: 6, L0747: 5, L0777: 5, H0265: 4, L0771: 4, L0748: 4, L0759: 4, L0769: 3, L0662: 3, L0774: 3, L0526: 3, L0439: 3, L0751: 3, L0750: 3, S0358: 2, H0424: 2, S0144: 2, L0520: 2, L0764: 2, L0364: 2, L0776: 2, L0809: 2, L0664: 2, L0754: 2, S0436: 2, L0588: 2, L0601: 2, H0556: 1, H0685: 1, S0040: 1, S6024: 1, H0341: 1, H0484: 1, H0661: 1, H0306: 1,			

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HAZAR95	1019338	547	11 - 1192	2722	Arg-63 to Arg-77, Glu-186 to Trp-192, Ile-222 to Tyr-228, Lys-284 to Glu-293, Asn-324 to Ser-329, Pro-375 to Lys-388.	L0666: 13, L0665: 13, L0588: 12, L0601: 9, S0358: 8, L0664: 8, S0360: 7, L0471: 7, L0657: 7, L0659: 7, L0748: 7, H0415: 6, S0214: 6, L0520: 6, L0372: 6, L0803: 6, L0375: 6, L0655: 6, H0659: 6, L0608: 6, L0362: 6, L0361: 6, S0376: 5, L0663: 5, L0439: 5, T0049: 4, H0581: 4, L0646: 4, L0804: 4, L0809: 4, S0328: 4, L0747: 4, L0749: 4, L0755: 4, L0731: 4, L0591: 4, L0604: 4, L0595: 4, H0542: 4, H0662: 3, H0545: 3, H0687: 3, H0100: 3, H0509: 3, H0529: 3, L0763: 3, L0764: 3, L0662: 3, L0794: 3, S0330: 3, L0740: 3, H0445: 3, L0600: 3, H0265: 2, H0661: 2, S0418: 2, H0156: 2, H0318: 2, H0172: 2, H0620: 2,	12q23	124200, 147440, 160781, 235800, 600175
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HMWFS1	1019409	548	65 - 484	2723	L0565: 1, H0691: 1, L0438: 1, H0547: 1, H0519: 1, H0365: 1, H0689: 1, H0684: 1, H0658: 1, H0660: 1, H0666: 1, S0332: 1, H0522: 1, S0013: 1, H0696: 1, H0704: 1, S0044: 1, S0404: 1, H0436: 1, S0432: 1, S3012: 1, S0027: 1, S0206: 1, L0779: 1, L0759: 1, L0683: 1, S0434: 1, L0589: 1, L0590: 1, L0599: 1, S0026: 1, H0653: 1, H0667: 1, H0423: 1 and H0352: 1.		
					L0776: 3, H0341: 2, L0005: 2, T0023: 2, L0766: 2, L0527: 2, L0659: 2, L0809: 2, L0665: 2, L0748: 2, L0740: 2, L0747: 2, L0731: 2, L0362: 2, S0114: 1, H0305: 1, S0376: 1, H0393: 1, H0574: 1, H0013: 1, H0263: 1, H0266: 1, H0688: 1, L0483: 1,		

							H0030: 1, H0674: 1, H0647: 1, L0763: 1, L0646: 1, L0374: 1, L0662: 1, L0768: 1, L0774: 1, L0663: 1, L0438: 1, H0520: 1, H0658: 1, S0328: 1, H0478: 1, L0745: 1, L0758: 1, H0445: 1 and L0599: 1.		
HE8SD82	1019585	549	1 - 570	2724	Asn-1 to Pro-7, Glu-33 to Ser-40, Pro-54 to Thr-63, Leu-82 to Arg-106, Gly-109 to Asn-119, Glu-145 to Val-150, Lys-161 to Gln-168, Arg-170 to Phe-175, Thr-177 to Tyr-184.		H0031: 4, S0007: 2, H0244: 2, S0010: 2, H0194: 2, H0553: 2, S0036: 2, H0040: 2, H0529: 2, L0005: 1, S0356: 1, H0676: 1, H0411: 1, S0222: 1, S6014: 1, H0587: 1, H0497: 1, H0013: 1, H0575: 1, H0327: 1, L0471: 1, H0024: 1, L0143: 1, H0038: 1, H0494: 1, H0538: 1, H0660: 1, H0539: 1, H0521: 1, H0555: 1 and H0136: 1.		
HSPSN08	1019608	550	77 - 1120	2725	Pro-25 to Glu-54, Ser-66 to Glu-71, Gly-86 to Trp-92, Arg-104 to Asn-109.		H0683: 11, H0617: 3, L0766: 2, H0686: 1, H0254: 1, H0255: 1, L0021: 1, H0123: 1,		

							Asn-133 to Asn-138, Thr-153 to Ser-160, Asn-269 to Glu-277, Leu-290 to Tyr-297.	H0012: 1, S0051: 1, H0083: 1, H0039: 1, T0006: 1, H0413: 1, L0794: 1, L0809: 1, L0748: 1 and S0026: 1.		
HVCAH24	1019749	551	97 - 468	2726			Arg-1 to Arg-8, Gly-30 to Gln-40, Phe-50 to Asp-58, Leu-97 to Ser-112.	H0156: 2, H0624: 1, H0171: 1, H0686: 1, H0656: 1, H0574: 1, H0486: 1, S0316: 1, H0622: 1, H0038: 1, S0150: 1, H0520: 1, H0547: 1, H0658: 1, H0666: 1, H0521: 1 and S0028: 1.		
HCEBF54	1019777	552	400 - 840	2727			Pro-89 to Leu-101.	AR104: 2, AR061: 1, AR089: 1, AR033: 0, AR060: 0, AR096: 0, AR053: 0, AR039: 0, AR055: 0, AR052: 0 L0794: 2, L0803: 2, L0655: 2, L0665: 2, H0684: 2, L0754: 2, L0747: 2, H0686: 1, L0470: 1, H0662: 1, H0125: 1, S0360: 1, L0021: 1, H0052: 1, H0085: 1, H0597: 1, H0009: 1, S0362: 1, H0644: 1, H0673: 1, L0060: 1, H0560: 1,		

						L0638: 1, L0761: 1, L0373: 1, L0765: 1, L0774: 1, L0805: 1, L0809: 1, L0790: 1, L0666: 1, L0664: 1, H0689: 1, H0682: 1, H0660: 1, L0742: 1, L0748: 1, S0434: 1, L0592: 1, L0608: 1, L0601: 1, H0542: 1 and H0423: 1.			
HPQAD21	1019869	553	176 - 271	2728		S0136: 115, L0803: 9, S0026: 9, L0731: 8, H0624: 6, S0418: 6, S0358: 6, L0805: 6, H0619: 5, L0666: 5, L0439: 5, L0754: 5, L0756: 5, H0170: 4, S0360: 4, H0553: 4, L0662: 4, H0547: 4, L0750: 4, L0779: 4, H0351: 3, H0486: 3, H0046: 3, H0050: 3, L0471: 3, H0266: 3, H0623: 3, L0770: 3, H0144: 3, H0520: 3, S0380: 3, S0040: 2, H0295: 2, H0661: 2, S0420: 2, S0376: 2, H0722: 2, H0369: 2,			

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HJPCF71	1019892	554	219 - 830	2729	Asp-41 to Gly-56.	H0111: 1, H0628: 1, S0364: 1, H0135: 1, H0616: 1, H0551: 1, H0268: 1, H0100: 1, H0494: 1, H0652: 1, S0210: 1, L0763: 1, L5566: 1, L0646: 1, L0800: 1, L0764: 1, L0771: 1, L0768: 1, L0649: 1, L0804: 1, L0775: 1, L0806: 1, L0527: 1, L0636: 1, L0783: 1, L0790: 1, S0296: 1, H0693: 1, H0519: 1, H0690: 1, H0682: 1, H0684: 1, H0648: 1, H0672: 1, S0454: 1, S0013: 1, H0626: 1, H0627: 1, S0028: 1, L0744: 1, L0777: 1, L0755: 1, L0757: 1, L0758: 1, L0759: 1, S0434: 1, S0436: 1, L0592: 1, H0667: 1, S0194: 1 and H0506: 1.
						L0439: 4, L0777: 4, S0214: 3, L0752: 3, H0686: 2, H0486: 2, L0775: 2, L0651: 2,

HVCAE76	1019942	555	99 - 2111	2730	<p>L0750: 2, S0114: 1, H0656: 1, S0212: 1, H0663: 1, H0586: 1, H0546: 1, H0024: 1, H0083: 1, H0510: 1, H0428: 1, H0038: 1, H0560: 1, H0646: 1, L0763: 1, L0773: 1, L0662: 1, L0774: 1, L0378: 1, L0661: 1, L0384: 1, L0789: 1, L0666: 1, L0438: 1, S0028: 1, L0747: 1, L0756: 1, L0758: 1, H0423: 1 and S0460: 1.</p> <p>L0779: 7, L0439: 5, H0624: 4, L0766: 4, L0438: 4, H0657: 3, L0662: 3, L0657: 3, L0666: 3, S0360: 2, L0764: 2, L0655: 2, L0532: 2, L0664: 2, S0428: 2, H0670: 2, L0777: 2, L0755: 2, L0731: 2, H0423: 2, L0465: 2, H0170: 1, L0002: 1, H0583: 1, S0400: 1, H0589: 1, L0481: 1, S0354: 1, S0358: 1, S0408: 1,</p>
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HOCMH14	1020007	556	1 - 1485	2731	His-3 to Trp-8, Glu-16 to Gly-23, Tyr-47 to Gly-56,	H0351: 1, H0411: 1, H0550: 1, H0333: 1, S0280: 1, H0098: 1, H0122: 1, H0318: 1, H0581: 1, H0263: 1, H0457: 1, H0566: 1, H0050: 1, S0050: 1, H0051: 1, H0188: 1, H0687: 1, H0615: 1, H0039: 1, L0055: 1, H0598: 1, H0040: 1, S0440: 1, H0529: 1, L0761: 1, L0667: 1, L0363: 1, L0768: 1, L0649: 1, L0804: 1, L0776: 1, L0661: 1, L0659: 1, L0809: 1, L0663: 1, L0665: 1, L0352: 1, H0547: 1, H0690: 1, H0666: 1, H0648: 1, H0555: 1, H0436: 1, S0390: 1, S0028: 1, L0744: 1, L0740: 1, L0747: 1, L0752: 1, L0753: 1, L0759: 1, S0031: 1 and L0605: 1.		
						H0457: 7, L0743: 5, L0439: 5, L0751: 5, L0752: 5, L0731: 4,		



Ala-88 to Cys-93, Ala-108 to Ser-139, Ser-145 to Ser-151, Asp-154 to Ala-164, Pro-168 to Thr-189, Pro-196 to Ser-203, Pro-229 to Ala-235, Thr-255 to Glu-261, Pro-271 to Pro-276, Pro-289 to Asn-310, Pro-318 to Tyr-329, Arg-334 to Arg-345, Arg-347 to Thr-356, Lys-373 to Arg-391, Glu-396 to Pro-414.	H0618: 3, H0253: 3, H0545: 3, L0662: 3, H0689: 3, L0748: 3, L0777: 3, L0758: 3, L0785: 2, H0692: 2, H0662: 2, H0550: 2, S0049: 2, L0770: 2, L0764: 2, L0659: 2, H0670: 2, L0779: 2, L0757: 2, L0759: 2, S0434: 2, H0225: 1, S0218: 1, H0650: 1, H0656: 1, L0426: 1, S0212: 1, S0442: 1, H0489: 1, H0580: 1, S0046: 1, S0132: 1, S0476: 1, H0549: 1, H0587: 1, H0333: 1, H0559: 1, H0427: 1, L0021: 1, H0599: 1, H0274: 1, H0581: 1, H0421: 1, H0052: 1, H0231: 1, L0157: 1, H0566: 1, H0123: 1, T0010: 1, H0408: 1, H0355: 1, H0266: 1, H0271: 1, H0687: 1, H0163: 1, H0087: 1, H0494: 1, H0359: 1, S0344: 1, L0371: 1.
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HPDRZ03	1020130	557	122 - 751	2732	Asp-7 to Ala-15, Pro-34 to Ile-60, Gln-110 to Asn-117.	L0637: 1, L0761: 1, L0646: 1, L0773: 1, L0363: 1, L0774: 1, L0375: 1, L0805: 1, L0658: 1, L0384: 1, L0543: 1, L0666: 1, L0663: 1, H0547: 1, H0593: 1, H0684: 1, H0660: 1, S0380: 1, H0710: 1, S0152: 1, H0521: 1, H0696: 1, H0134: 1, S0406: 1, H0436: 1, S0432: 1, L0744: 1, L0740: 1, S0436: 1, L0593: 1, H0665: 1 and H0422: 1.		
						L0777: 4, S0358: 3, H0486: 3, L0750: 3, L0779: 3, L0752: 3, S0412: 3, S0134: 2, H0013: 2, L0766: 2, L0803: 2, H0519: 2, H0658: 2, L0599: 2, L0604: 2, S0192: 2, T0002: 1, S0342: 1, S0212: 1, H0661: 1, H0619: 1, H0411: 1, H0632: 1, T0114: 1, H0575: 1, H0318: 1, T0110: 1, H0544: 1.		

HOCPO73	1020180	558	3745 - 2963	2733					H0457: 1, H0328: 1, L0055: 1, H0169: 1, T0067: 1, S0422: 1, L0763: 1, L0773: 1, L0363: 1, L0804: 1, L0806: 1, L0663: 1, H0648: 1, S0152: 1, L0751: 1, L0756: 1, L0755: 1, L0731: 1, L0758: 1, L0593: 1, L0594: 1, H0665: 1, H0543: 1 and S0424: 1.  L0777: 7, L0759: 5, L0638: 3, L0766: 3, L0804: 3, L0663: 3, L0439: 3, H0657: 2, L0055: 2, L0666: 2, H0660: 2, L0604: 2, L0615: 1, S0358: 1, L0471: 1, H0628: 1, H0038: 1, S0344: 1, H0529: 1, L0761: 1, L0630: 1, L0646: 1, L0764: 1, L0364: 1, L0803: 1, L0805: 1, L0655: 1, L0809: 1, L0790: 1, L0532: 1, H0689: 1, H0435: 1, H0658: 1, S0330: 1, H0521: 1, H0436: 1,
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							L0375: 1, L0651: 1, L0784: 1, L0806: 1, L0509: 1, L0655: 1, L0657: 1, L0513: 1, L0809: 1, L0545: 1, L0790: 1, L0791: 1, L0792: 1, L0664: 1, H0144: 1, H0519: 1, S0126: 1, S0404: 1, H0555: 1, L0751: 1, L0777: 1, S0436: 1 and L0592: 1.		
HWHGO25	1020841	560	3 - 113	2735	Gly-7 to Leu-15, Pro-17 to His-29.		L0747: 5, L0805: 3, L0761: 2, L0803: 2, L0775: 2, H0658: 2, L0758: 2, S0298: 1, H0586: 1, H0597: 1, L0646: 1, L0776: 1, L0518: 1, L0519: 1, L0528: 1, L0529: 1, L0790: 1, L0666: 1, H0690: 1, H0521: 1, L0749: 1 and L0777: 1.		
HWMNE31	1020852	561	157 - 681	2736	Thr-15 to Trp-23, Ala-44 to Gln-51, Lys-62 to Arg-70, Asp-102 to Lys-114, Val-116 to Ala-148, Phe-151 to Glu-163.		L0803: 13, L0766: 10, L0731: 8, L0751: 6, L0601: 6, L0756: 5, L0764: 4, L0789: 4, S0136: 4, H0436: 4, L0777: 4, L0596: 4, H0556: 3, H0580: 3,		



						H0622: 1, H0673: 1, L0456: 1, H0163: 1, H0591: 1, H0040: 1, H0551: 1, T0067: 1, H0412: 1, H0560: 1, H0647: 1, S0142: 1, S0208: 1, S0422: 1, H0695: 1, L0369: 1, L0520: 1, L0763: 1, L0770: 1, L0638: 1, L0771: 1, L0794: 1, L0774: 1, L0651: 1, L0378: 1, L0776: 1, L0657: 1, L0809: 1, L0532: 1, L0663: 1, L0664: 1, L0665: 1, H0144: 1, H0725: 1, H0659: 1, H0666: 1, H0518: 1, H0521: 1, S0013: 1, H0696: 1, S0406: 1, S3014: 1, S0027: 1, L0754: 1, L0749: 1, L0752: 1, L0757: 1, S0260: 1, L0592: 1, S0026: 1, S0276: 1, H0542: 1, H0423: 1, H0422: 1 and H0721: 1.				
HUSYJ75	1020878	562	1 - 420	2737		H0484: 35, L0751: 15; L0758: 12, H0483: 10,				

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	H0592: 2, H0052: 2, L0157: 2, H0688: 2, H0606: 2, H0674: 2, H0059: 2, H0100: 2, L0763: 2, L0771: 2, L0649: 2, L0633: 2, L0383: 2, H0520: 2, H0435: 2, H0658: 2, H0648: 2, H0436: 2, S0390: 2, L0748: 2, L0777: 2, L0731: 2, L0757: 2, L0759: 2, S0260: 2, H0686: 1, S6024: 1, H0294: 1, S0134: 1, H0657: 1, H0656: 1, S0180: 1, S0212: 1, H0254: 1, S0418: 1, S0354: 1, S0410: 1, H0722: 1, S0045: 1, S0132: 1, H0393: 1, H0550: 1, H0587: 1, H0333: 1, T0109: 1, H0101: 1, H0427: 1, H0575: 1, H0706: 1, T0048: 1, S0474: 1, H0581: 1, S0049: 1, H0309: 1, H0597: 1, H0231: 1, H0009: 1, H0178: 1, H0567: 1, H0024: 1,						
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								H0051: 1, H0099: 1, H0594: 1, H0188: 1, S0214: 1, H0604: 1, H0417: 1, H0181: 1, H0673: 1, H0551: 1, H0412: 1, H0413: 1, H0494: 1, H0334: 1, S0150: 1, S0426: 1, H0529: 1, L0373: 1, L0374: 1, L0764: 1, L0385: 1, L0774: 1, L0375: 1, L0654: 1, L0657: 1, L0659: 1, L5623: 1, L0368: 1, L0665: 1, H0702: 1, H0519: 1, H0683: 1, S0328: 1, S0330: 1, H0539: 1, S0378: 1, H0522: 1, S0037: 1, S0028: 1, S0206: 1, L0754: 1, L0750: 1, H0445: 1, H0595: 1, L0591: 1, L0361: 1, L0601: 1, S0192: 1, H0542: 1, H0423: 1 and S0456: 1.				
HSDFS07	1020904	563	2 - 1018	2738	Glu-1 to Asn-6, Glu-14 to Leu-19, Pro-22 to Ile-30, Ser-32 to Asp-40,	L0439: 5, L0777: 4, H0244: 2, S0010: 2, S0386: 2, L0764: 2, L0776: 2, L0809: 2,						

				Ser-44 to Gln-53.	H0519: 2, L0756: 2, L0780: 2, H0369: 1, S0222: 1, S0346: 1, H0050: 1, H0428: 1, L0194: 1, L0455: 1, H0494: 1, L0769: 1, L0806: 1, L0807: 1, L0664: 1, H0520: 1, L0747: 1, L0779: 1, L0759: 1, S0031: 1 and L0592: 1.				
HCOPC09	1021208	564	620 - 378	2739	Glu-49 to Asn-62.	L0764: 3, S0360: 2, H0331: 2, H0575: 2, L0769: 2, H0670: 2, L0747: 2, L0777: 2, L0601: 2, S0358: 1, H0455: 1, H0492: 1, L0021: 1, L0763: 1, L0662: 1, L0803: 1, L0774: 1, L0775: 1, L0809: 1, H0683: 1, H0522: 1, L0743: 1, L0362: 1 and H0422: 1.			
HVVBT22	1021323	565	811 - 2	2740	Pro-5 to Lys-15, Asn-31 to Ala-38, Asp-57 to Arg-64, Ala-75 to Asp-90, Gln-98 to Gly-123, Arg-125 to Gly-142, Met-155 to Gly-160,	H0424: 5, L0766: 3, S0222: 2, S0214: 2, S0422: 2, S0126: 2, S0330: 2, L0759: 2, L0362: 2, L0361: 2, H0653: 2, H0220: 1, H0656: 1, H0341: 1,			

					Leu-162 to Pro-182, S0045: 1, H0351: 1, Arg-187 to Met-192, H0587: 1, H0497: 1, Ser-199 to Asp-219, S0010: 1, L0471: 1, Pro-224 to Pro-253. H0373: 1, H0083: 1, H0266: 1, L0055: 1, H0163: 1, H0591: 1, H0551: 1, H0366: 1, H0509: 1, H0538: 1, L0770: 1, L0772: 1, L0381: 1, L0775: 1, L0653: 1, L0518: 1, L0665: 1, H0144: 1, H0520: 1, H0547: 1, H0689: 1, H0672: 1, S0328: 1, H0539: 1, H0696: 1, L0747: 1, L0752: 1, L0591: 1, L0592: 1, H0216: 1 and S0396: 1.			
HAMFW66	1021327	566	8 - 988	2741	His-3 to Phe-9, Asn-176 to Thr-184, Glu-217 to Lys-225, Lys-263 to Asp-268. AR053: 3, AR052: 3, AR096: 2, AR033: 2, AR089: 2, AR055: 2, AR104: 1, AR060: 1, AR061: 0, AR039: 0, L0754: 12, S0410: 10, L0766: 9, L0591: 7, L0748: 4, L0752: 4, H0423: 4, H0556: 3, S0360: 3, L0646: 3,			

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							L0792: 1, L0793: 1, H0519: 1, H0682: 1, H0648: 1, S0330: 1, S0152: 1, S0406: 1, L0750: 1, L0779: 1, L0757: 1, L0759: 1, L0480: 1, H0542: 1 and H0506: 1.			
HPMBW86	1021661	567	3 - 179	2742	Leu-2 to Gly-15, Val-31 to Gly-40, Gly-45 to Ala-51.		H0341: 1, S0222: 1, H0156: 1, H0052: 1, H0031: 1, L0766: 1, H0658: 1, H0670: 1 and L0612: 1.			
HOFMK02	1021666	568	138 - 230	2743	Thr-24 to Leu-29.		H0415: 2 and H0486: 1.	11p15	108985, 186921, 602092	
HOUHK71	1021682	569	311 - 370	2744	Arg-11 to Trp-20.		L0755: 4, H0638: 2, S0342: 1, H0101: 1, H0457: 1, H0051: 1, L0768: 1, L0803: 1, L0650: 1, L0806: 1, L0518: 1, H0689: 1, H0648: 1, L0756: 1 and L0759: 1.			
HCOOW23	1021759	570	54 - 800	2745	Thr-10 to Arg-16, Arg-21 to Ser-31, Asn-97 to Arg-102, Ile-170 to Ser-175, Thr-207 to Gly-213.					
HACMT02	1021794	571	272 - 3	2746			H0685: 2			

HISDS67	1022018	572	2322 - 1756	2747	Gln-4 to Ala-17, Ala-56 to Gln-61, Cys-166 to Ala-182.	L0754: 8, H0553: 4, L0770: 4, L0794: 4, H0615: 3, L0769: 3, L0803: 3, L0439: 3, L0777: 3, L0752: 3, H0052: 2, L0637: 2, L0768: 2, L0805: 2, L0659: 2, L0666: 2, L0664: 2, H0547: 2, H0593: 2, H0682: 2, H0539: 2, H0521: 2, L0744: 2, L0757: 2, L0604: 2, L0601: 2, H0624: 1, H0657: 1, H0656: 1, S0212: 1, H0254: 1, H0662: 1, L0005: 1, S0045: 1, H0619: 1, H0550: 1, H0592: 1, H0013: 1, H0036: 1, H0618: 1, H0620: 1, H0023: 1, S0051: 1, H0188: 1, H0028: 1, H0428: 1, T0006: 1, H0213: 1, L0455: 1, H0135: 1, H0038: 1, H0616: 1, H0264: 1, H0413: 1, T0069: 1, S0038: 1, H0100: 1, L0763: 1, L0638: 1, L5565: 1,		
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HOVAA59	1022037	573	2892 - 1309	2748	Pro-1 to Gly-10, Pro-20 to Gly-34, Pro-36 to Gly-45, Ala-51 to Pro-65, Val-78 to Arg-83, Gln-89 to Gly-98, Lys-114 to Val-119, Arg-158 to Ala-164, Thr-306 to Lys-313.	L0761: 1, L0667: 1, L0804: 1, L0650: 1, L0375: 1, L0776: 1, L0807: 1, L0809: 1, L0519: 1, L0663: 1, L0665: 1, H0520: 1, S0126: 1, H0684: 1, H0435: 1, H0659: 1, H0648: 1, S0190: 1, S0404: 1, H0555: 1, L0741: 1, L0751: 1, L0747: 1, L0753: 1 and L0758: 1.		
						L0601: 4, H0617: 3, L0794: 2, L0629: 2, L0657: 2, L0604: 2, T0049: 1, S0218: 1, L0785: 1, S0442: 1, H0733: 1, H0411: 1, T0109: 1, H0428: 1, H0673: 1, S0366: 1, H0040: 1, H0616: 1, L0763: 1, L0375: 1, L0805: 1, L0658: 1, H0593: 1, H0658: 1, H0672: 1, L0743: 1, L0744: 1, L0748: 1, L0740: 1, L0751: 1, L0754: 1, L0750: 1, L0596: 1, L0485: 1 and		



HOCPL72	1022059	574	2 - 1099	2749	Pro-1 to Glu-14, Pro-26 to Val-33, Tyr-167 to Tyr-174, Pro-188 to Ser-196.	H0721: 1. L0766: 3, H0457: 2, H0706: 1, H0015: 1, H0373: 1, H0266: 1, H0553: 1, H0551: 1, H0509: 1, L0761: 1, L0665: 1, H0144: 1, H0689: 1, H0660: 1 and S0328: 1.		
HCOMM05	1022082	575	1 - 840	2750	Gln-19 to Asp-38, Pro-46 to Thr-55, Leu-96 to Gly-104, Ala-114 to Ala-119, Gln-125 to Trp-131, Pro-133 to Pro-141, Phe-144 to Glu-150, Glu-180 to Val-185, Glu-192 to Glu-197, Glu-254 to Leu-262, Met-272 to Ser-280.	AR089: 1, AR096: 1, AR061: 1, AR060: 1, AR033: 1, AR055: 0, AR052: 0, AR039: 0, AR104: 0 L0508: 9, H0620: 7, L0774: 6, L0509: 6, S0408: 5, L0750: 5, L0601: 5, L0515: 4, L0512: 4, H0594: 3, L0805: 3, L0514: 3, L0511: 3, H0670: 3, L0755: 3, H0556: 2, H0686: 2, S0358: 2, S0444: 2, H0199: 2, H0181: 2, H0617: 2, H0494: 2, L0505: 2, L0502: 2, L0769: 2, L0803: 2, L0809: 2, L0528: 2, L0663: 2, L0752: 2, H0657: 1,		

HLYDC86	1022162	576	3 - 947	2751	Pro-39 to Arg-45, Arg-52 to Ile-60, Glu-87 to Cys-96, Thr-108 to Ser-114, Thr-121 to Glu-128	H0255: 1, S0420: 1, S0442: 1, S0360: 1, H0549: 1, H0586: 1, L0021: 1, H0036: 1, H0052: 1, H0597: 1, H0086: 1, H0012: 1, S0336: 1, H0606: 1, H0124: 1, L0504: 1, L0763: 1, L0627: 1, L0373: 1, L0764: 1, L0499: 1, L0498: 1, L0497: 1, L0376: 1, L0653: 1, L0493: 1, L0510: 1, L0513: 1, L0384: 1, L0789: 1, L0666: 1, L0665: 1, H0689: 1, H0660: 1, H0672: 1, S0328: 1, S0330: 1, S0454: 1, S0406: 1, S0432: 1, L0754: 1, L0747: 1, L0749: 1, L0779: 1, L0777: 1, L0731: 1, L0759: 1, S0434: 1 and H0506: 1.	14q24.3	104311, 109150, 182600, 245200, 601208
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					Met-133 to Thr-141, Asn-154 to Ala-169, Glu-174 to His-179, Gln-205 to Gln-213, Pro-222 to Phe-231, Ser-259 to Phe-265, Leu-282 to Ser-288.	L0747: 1.			
HTLEP21	1022167	577	92 - 457	2752		H0253: 1 and L0767: 1.			
HVCAS77	1022313	578	170 - 1072	2753	Glu-7 to Leu-18, Glu-75 to Arg-80, Gln-152 to Gln-157, Gln-202 to Lys-219, Ser-259 to Gly-266, Glu-277 to His-287.	L0766: 7, L0769: 6, S0418: 4, L0747: 4, S0424: 3, H0341: 2, S0278: 2, L0471: 2, H0083: 2, H0538: 2, L0770: 2, L0771: 2, L0775: 2, L0809: 2, H0520: 2, L0744: 2, L0754: 2, L0777: 2, L0759: 2, L0597: 2, S0026: 2, H0667: 2, H0171: 1, H0686: 1, S0212: 1, H0125: 1, S0420: 1, S0358: 1, S0376: 1, S0360: 1, S0046: 1, H0393: 1, H0333: 1, H0575: 1, H0581: 1, H0309: 1, H0046: 1, H0567: 1, H0188: 1, H0428: 1, H0553: 1, H0135: 1,			

HOGCA79	1022627	579	210 - 635	2754	Thr-69 to Phe-77, Asp-80 to Thr-85.	H0040: 1, T0041: 1, L0369: 1, L0763: 1, L0643: 1, L0764: 1, L0773: 1, L0804: 1, L0375: 1, L0806: 1, L0776: 1, L0655: 1, L0783: 1, L0382: 1, L0666: 1, H0144: 1, H0593: 1, H0435: 1, H0659: 1, H0660: 1, H0666: 1, L0750: 1, L0755: 1, L0731: 1, L0757: 1 and H0543: 1.  H0547: 5, L0747: 4, L0766: 3, H0328: 2, H0551: 2, L0774: 2, H0435: 2, H0659: 2, H0436: 2, L0740: 2, L0754: 2, L0759: 2, L0596: 2, H0657: 1, H0341: 1, S0418: 1, S0360: 1, S0007: 1, H0229: 1, H0486: 1, H0013: 1, H0156: 1, H0037: 1, L0055: 1, L0455: 1, H0163: 1, H0616: 1, L0060: 1, H0560: 1, H0529: 1, L0763: 1, L0770: 1, L0764: 1, L0767: 1,		
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HAZAA64	1022719	581	106 - 705	2756	Asn-58 to Thr-64, Ile-72 to Ser-78, Gly-119 to Lys-128, Thr-185 to Leu-200.	H0670: 1, H0660: 1, S0406: 1, S3014: 1, L0756: 1, L0758: 1, L0759: 1, L0595: 1, S0011: 1 and H0712: 1.  H0695: 414, H0580: 44, L0777: 6, L0731: 6, H0052: 5, L0766: 5, L0747: 5, H0617: 4, H0494: 4, S0045: 3, H0083: 3, H0181: 3, H0038: 3, L0637: 3, L0779: 3, L0758: 3, H0484: 2, H0599: 2, S0049: 2, H0428: 2, L0774: 2, L0775: 2, L0518: 2, L0439: 2, L0750: 2, L0596: 2, L0588: 2, L0599: 2, L0601: 2, H0265: 1, H0556: 1, T0002: 1, S0040: 1, H0294: 1, H0341: 1, H0254: 1, H0255: 1, S0420: 1, S0444: 1, S0360: 1, H0208: 1, H0492: 1, L0623: 1, H0013: 1, S0280: 1, H0156: 1, L0021: 1, S0010: 1, H0194: 1, H0046: 1,		
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HSEBD72	1022904	582	140 - 430	2757	Thr-11 to Arg-16, Asn-78 to Asp-84.	H0200: 1, H0051: 1, H0510: 1, H0375: 1, H0266: 1, H0188: 1, S0036: 1, H0087: 1, H0412: 1, H0102: 1, T0042: 1, L0475: 1, H0130: 1, L0769: 1, L0768: 1, L0794: 1, L0651: 1, L0776: 1, L0807: 1, L0665: 1, S0374: 1, H0520: 1, H0689: 1, H0690: 1, H0659: 1, H0660: 1, H0672: 1, S0328: 1, H0522: 1, H0696: 1, S3012: 1, S0028: 1, L0749: 1, L0755: 1, L0759: 1, L0608: 1, L0604: 1, S0011: 1 and H0543: 1.	14q24.1	182600
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L0744: 4, L0731: 4, H0423: 4, H0662: 3, L0622: 3, H0597: 3, H0199: 3, H0615: 3, H0688: 3, H0428: 3, S0440: 3, S0422: 3, H0529: 3, L0769: 3, L0768: 3, H0670: 3, H0134: 3, S3012: 3, L0743: 3, S0116: 2, H0125: 2, S0420: 2, S0046: 2, H0333: 2, H0486: 2, H0050: 2, H0023: 2, H0383: 2, H0673: 2, H0124: 2, H0413: 2, H0561: 2, S0438: 2, L0371: 2, L0772: 2, L0662: 2, L0776: 2, L0528: 2, H0593: 2, H0684: 2, H0435: 2, H0659: 2, S0328: 2, H0521: 2, S3014: 2, L0748: 2, L0740: 2, L0745: 2, L0750: 2, L0780: 2, L0757: 2, H0445: 2, H0668: 2, H0136: 2, H0216: 2, H0422: 2, H0265: 1, S0114: 1, H0650: 1, S0110: 1,							
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	H0484: 1, H0483: 1, H0254: 1, H0661: 1, H0663: 1, H0402: 1, S0356: 1, S0354: 1, S0358: 1, S0376: 1, H0722: 1, S0468: 1, S0007: 1, S0045: 1, S0278: 1, S0222: 1, H0370: 1, H0613: 1, H0600: 1, T0039: 1, T0040: 1, T0112: 1, H0013: 1, H0253: 1, H0318: 1, H0235: 1, H0327: 1, H0530: 1, H0081: 1, L0471: 1, H0197: 1, H0246: 1, S0050: 1, H0373: 1, H0275: 1, H0083: 1, H0266: 1, T0006: 1, H0033: 1, H0604: 1, H0553: 1, H0617: 1, H0376: 1, S0036: 1, H0135: 1, H0090: 1, H0038: 1, H0634: 1, H0087: 1, H0059: 1, H0100: 1, H0494: 1, S0464: 1, S0142: 1, S0210: 1, L0762: 1, L0761: 1, L0764: 1, L0771: 1, L0773: 1,	
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HDPYE27	1022911	583	380 - 1066	2758	<p>Trp-1 to Ser-8, His-11 to Asn-16, Gln-19 to Pro-25, Gly-38 to Gly-44, Leu-54 to Arg-62, Ser-70 to Asp-78, Gln-83 to Ser-88, Thr-99 to Asn-105, Ser-123 to Val-135, Pro-143 to Arg-169, His-194 to Tyr-206.</p>	<p>L0521: 1, L0626: 1, L0767: 1, L0649: 1, L0774: 1, L0375: 1, L0806: 1, L0807: 1, L0517: 1, L0529: 1, L0665: 1, H0520: 1, S0126: 1, H0690: 1, H0709: 1, S0152: 1, S0044: 1, S0404: 1, H0555: 1, S0027: 1, S0028: 1, S0032: 1, H0444: 1, L0596: 1, L0605: 1, S0276: 1, H0542: 1, H0543: 1 and H0352: 1.</p>	<p>AR096: 1, AR104: 1, AR052: 0, AR060: 0, AR089: 0, AR039: 0, AR061: 0, AR055: 0, AR033: 0 L0740: 18, H0521: 15, S0003: 14, L0777: 13, L0754: 12, L0756: 12, H0710: 11, L0747: 10, L0766: 9, L0438: 9, L0750: 7, L0752: 7, H0622: 6, H0522: 6, L0439: 6, L0757: 6, H0156: 5, L0775: 5, S0136: 5, L0731: 5,</p>	<p>9q13-q21</p>	<p>190100, 200150, 229300, 229300, 600429, 600884, 600974, 600998, 602014</p>
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	H0591: 1, H0040: 1, T0067: 1, H0379: 1, H0264: 1, H0488: 1, T0069: 1, T0004: 1, S0038: 1, H0641: 1, H0646: 1, S0144: 1, H0538: 1, S0210: 1, S0422: 1, S0002: 1, S0426: 1, UNKWN: 1, H0529: 1, L0763: 1, L0371: 1, L0637: 1, L0761: 1, L0630: 1, L0372: 1, L0646: 1, L0771: 1, L0773: 1, L0364: 1, L0803: 1, L0651: 1, L0806: 1, L0655: 1, L0661: 1, L0657: 1, L0526: 1, L0809: 1, L0544: 1, L0663: 1, S0148: 1, S0310: 1, L0352: 1, H0593: 1, S0126: 1, H0435: 1, H0670: 1, H0648: 1, H0539: 1, L0602: 1, H0696: 1, S0044: 1, H0555: 1, H0478: 1, L0743: 1, L0751: 1, L0745: 1, L0755: 1, H0445: 1, S0308: 1, S0394: 1,	
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							L0480: 1, L0362: 1, S0106: 1, S0192: 1, S0242: 1, H0542: 1, H0423: 1, S0424: 1 and S0446: 1.			
HCRQL51	1022997	584	47 - 1030	2759	Ser-35 to Gly-40, Ser-103 to His-109, Tyr-151 to Gly-159, Pro-216 to Glu-224, Asn-249 to Trp-258, Pro-278 to Glu-284.		H0013: 10, H0644: 6, H0144: 6, H0615: 5, L0748: 4, L0777: 4, H0393: 3, T0114: 3, H0012: 3, H0024: 3, H0529: 3, L0438: 3, H0547: 3, L0439: 3, H0624: 2, H0170: 2, H0341: 2, L0005: 2, H0370: 2, H0050: 2, L0471: 2, H0031: 2, H0038: 2, L0750: 2, L0758: 2, H0595: 2, L0592: 2, H0171: 1, S0212: 1, S0418: 1, S0356: 1, H0619: 1, L0717: 1, S0222: 1, H0427: 1, H0036: 1, H0046: 1, H0620: 1, H0594: 1, H0266: 1, H0328: 1, L0142: 1, H0591: 1, H0616: 1, H0059: 1, H0625: 1, S0210: 1, L0768: 1, H0520: 1, H0519: 1,	7q32	180105, 190900, 222800, 246900	

							H0672: 1, S0152: 1, H0555: 1, L0742: 1, L0779: 1, H0445: 1, S0194: 1, H0422: 1 and L0698: 1.			
HDTCC55	1023046	585	195 - 533	2760	Ser-26 to Ser-32.		H0486: 1 and L0766: 1.			
HOOJQ91	1023049	586	1307 - 525	2761	Ala-2 to Thr-9.					
HCE4K28	1023227	587	238 - 840	2762	Phe-15 to Gly-29.		L0750: 6, L0766: 5, L0809: 4, L0747: 4, L0758: 4, S0354: 3, H0617: 3, L0775: 3, L0783: 3, H0690: 3, S0406: 3, L0753: 3, L0601: 3, H0255: 2, S0007: 2, H0618: 2, H0253: 2, H0309: 2, H0150: 2, H0428: 2, H0553: 2, H0494: 2, L0770: 2, L0771: 2, L0803: 2, L0774: 2, L0666: 2, S0330: 2, H0539: 2, H0134: 2, L0777: 2, L0592: 2, H0624: 1, H0686: 1, H0664: 1, S0408: 1, H0489: 1, H0580: 1, H0351: 1, S0278: 1, H0333: 1, H0559: 1, S0474: 1, H0052: 1,			

							H0545: 1, T0003: 1, H0124: 1, H0634: 1, H0087: 1, H0477: 1, H0412: 1, L0763: 1, L0769: 1, L0761: 1, L0767: 1, L0804: 1, L0806: 1, L0805: 1, L0659: 1, L0787: 1, L0791: 1, H0547: 1, S0126: 1, H0658: 1, H0670: 1, S0328: 1, S0380: 1, H0521: 1, H0522: 1, L0742: 1, L0744: 1, L0748: 1, L0779: 1, L0731: 1, L0759: 1, L0589: 1, L0581: 1, H0665: 1, S0276: 1 and H0352: 1.				
HPDVY62	1023264	588	2 - 1126	2763			H0624: 2, H0586: 2, H0031: 2, L0748: 2, L0439: 2, H0171: 1, S0356: 1, S0376: 1, H0052: 1, H0251: 1, H0050: 1, H0014: 1, H0051: 1, H0647: 1, L0789: 1, H0144: 1, H0658: 1, H0521: 1, L0754: 1, L0752: 1, S0436: 1, S0276: 1 and S0424: 1.	10q26.13- q26.3	263700		



HLHDK42	1023339	589	1 - 351	2764	Asn-19 to Asp-29, Leu-34 to Gly-41.	H0024: 2 and H0596: 1.		
HLDRQ55	1023375	590	2 - 421	2765		H0081: 1, H0510: 1 and H0144: 1.		
HVVBI06	1023414	591	1449 - 646	2766		H0543: 7, H0341: 6, S0003: 5, L0740: 5, L0747: 5, H0619: 4, H0575: 4, H0318: 4, S0206: 4, L0750: 4, L0588: 4, H0542: 4, H0265: 3, S0358: 3, S0046: 3, H0486: 3, H0069: 3, S0022: 3, L0666: 3, H0556: 2, S0116: 2, S0212: 2, S0418: 2, S0376: 2, S0360: 2, S0132: 2, H0497: 2, L0471: 2, H0090: 2, H0551: 2, H0494: 2, H0633: 2, S0144: 2, H0529: 2, L0662: 2, L0655: 2, L0664: 2, H0144: 2, H0547: 2, S0152: 2, L0757: 2, H0445: 2, H0624: 1, S6024: 1, S0114: 1, S0134: 1, S0218: 1, H0650: 1, H0657: 1, H0656: 1, H0663: 1, H0662: 1,	X	

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HOCME51	1023422	592	2 - 319	2767	Glu-36 to Thr-44, His-72 to Tyr-78, Glu-82 to Tyr-88.	H0672: 1, S0380: 1, L0602: 1, H0134: 1, S0390: 1, S3014: 1, S0027: 1, S0028: 1, L0748: 1, L0439: 1, L0754: 1, L0749: 1, L0756: 1, L0731: 1, H0444: 1, H0595: 1, L0595: 1, L0361: 1, L0603: 1, H0667: 1, H0422: 1 and S0424: 1.		
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HPDOP74	1023531	593	1659 - 307	2768	<p>Leu-23 to Asp-31, Gln-46 to Ile-69, Ile-120 to Lys-128, Pro-148 to Asp-154, Pro-216 to Val-223, Asn-261 to Ala-273, Gly-290 to Gln-299, Lys-305 to Tyr-312, Glu-341 to Ala-346, Pro-394 to Met-404, Ser-418 to Ser-440, Glu-442 to Gly-450.</p>	<p>H0542: 1, H0543: 1 and H0506: 1. L0591: 11, H0069: 9, H0494: 9, L0588: 7, H0543: 7, H0657: 6, H0318: 6, T0042: 6, H0547: 6, H0556: 5, L0665: 5, L0751: 5, H0423: 5, T0002: 4, H0050: 4, L0747: 4, L0779: 4, H0341: 3, H0638: 3, H0580: 3, H0393: 3, H0052: 3, H0266: 3, H0617: 3, H0616: 3, H0413: 3, H0521: 3, L0754: 3, L0596: 3, L0362: 3, H0422: 3, H0265: 2, L0470: 2, H0305: 2, H0637: 2, S0045: 2, H0370: 2, T0109: 2, H0156: 2, H0599: 2, H0575: 2, H0036: 2, H0618: 2, H0253: 2, L0483: 2, H0181: 2, H0038: 2, H0561: 2, H0646: 2, L0770: 2, L0769: 2, L0646: 2, L0521: 2, L0662: 2, L0768: 2, L0803: 2,</p>		
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HMSOH12	1023545	594	1 - 1077	2769	Lys-25 to Asp-31, His-46 to Glu-54, Ser-80 to Lys-86, Val-109 to Lys-115, Arg-143 to Met-149, Lys-193 to Arg-198, His-253 to Gly-259.	H0707: 1, L0592: 1, H0653: 1, H0665: 1, S0276: 1 and S0424: 1.  L0731: 12, L0439: 10, L0747: 8, L0770: 7, L0662: 6, L0775: 5, L0663: 5, H0423: 5, L0769: 4, L0752: 4, H0422: 4, H0657: 3, H0656: 3, S0356: 3, S0360: 3, S0222: 3, H0318: 3, H0083: 3, L0764: 3, L0768: 3, L0766: 3, L0809: 3, L0665: 3, H0547: 3, H0682: 3, H0659: 3, H0672: 3, L0750: 3, L0588: 3, L0591: 3, S0007: 2, H0581: 2, H0644: 2, H0412: 2, S0002: 2, S0426: 2, L0648: 2, L0364: 2, L0774: 2, L0375: 2, L0655: 2, L0666: 2, L0664: 2, H0520: 2, H0435: 2, H0666: 2, H0651: 2, H0521: 2, S0027: 2, L0740: 2, L0755: 2, L0757: 2, L0758: 2, H0542: 2,		
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							H0436: 1, L0748: 1, L0756: 1, L0779: 1, H0595: 1, L0608: 1, L0593: 1, L0595: 1, L0362: 1, S0026: 1, H0136: 1 and S0192: 1.			
HOPJG50	1023584	595	866 - 507	2770		Thr-18 to Asn-31, Lys-39 to Ser-47, Ser-71 to His-76, Gln-113 to Lys-120.	L0748: 2, L0749: 2, L0731: 2, H0624: 1, H0486: 1, H0309: 1, L0769: 1, L0653: 1, H0684: 1 and L0779: 1.	4		
HDUAB04	1023585	596	3 - 371	2771		Thr-21 to Asn-34, Lys-42 to Ser-50, Ser-74 to His-79, Gln-116 to Lys-123.		4		
HVCAA38	1023632	597	27 - 818	2772		Asn-12 to Thr-17, Gln-60 to Arg-66, Ser-71 to Asn-83, Thr-89 to Ala-96, Gln-120 to Thr-126, Glu-149 to Lys-154, Thr-213 to Ser-219, Arg-231 to Tyr-244, Trp-252 to Trp-259.		22q12.1	123620, 188826, 600850, 601669	
HIBCN87	1023837	598	1753 - 776	2773		Arg-1 to Cys-7, Val-96 to Arg-105, Glu-130 to Leu-135, Pro-207 to Arg-225, Asp-231 to Cys-251, Pro-259 to Ile-264,	L0439: 8, L0794: 5, L0758: 5, L0805: 4, L0809: 4, S0358: 3, L0769: 3, L0776: 3, L0665: 3, L0438: 3, H0658: 3, L0717: 2,	22q13.1	103050, 103050, 124030, 124030, 138981, 182380,	

				Pro-294 to Pro-304, Glu-310 to Ile-316, Ser-320 to Pro-326.		H0052: 2, H0059: 2, L0662: 2, L0803: 2, L0789: 2, H0690: 2, L0748: 2, H0556: 1, S0114: 1, H0583: 1, S0376: 1, H0600: 1, H0618: 1, H0253: 1, T0010: 1, H0252: 1, H0617: 1, H0038: 1, H0100: 1, L0520: 1, L0761: 1, L0768: 1, L0766: 1, L0783: 1, L0666: 1, L0663: 1, H0547: 1, H0593: 1, H0683: 1, H0670: 1, H0648: 1, H0436: 1, L0751: 1, L0755: 1, H0445: 1 and H0352: 1.		188826, 190040, 190040, 190040
HPCOM04	1024000	599	36 - 818	2774	Arg-1 to Gln-7, Pro-18 to Leu-23, Asp-42 to Ile-47, Gln-56 to Glu-63, Glu-93 to Ile-105, Glu-132 to Leu-137, Ile-202 to Leu-208, Asn-220 to Lys-226, Asn-254 to Phe-259.	L0438: 3, L0764: 2, H0659: 2, L0754: 2, H0589: 1, H0580: 1, H0013: 1, H0622: 1, H0617: 1, T0067: 1, L0767: 1, L0775: 1, L0655: 1, L0659: 1, L0666: 1, H0648: 1, S0330: 1, H0710: 1, L0748: 1, L0740: 1, L0747: 1, L0753: 1, L0480: 1 and L0599: 1.	22q11.1	231950, 600850

HUCPU06	1024069	600	609 - 313	2775		L0766: 5, L0770: 2, L0803: 2, L0666: 2, L0747: 2, L0603: 2, H0686: 1, S0420: 1, L0662: 1, L0794: 1, L0783: 1, L0383: 1, L0809: 1, L0665: 1, H0684: 1, H0658: 1 and L0750: 1.		
HPAME01	1024332	601	564 - 1061	2776	Cys-1 to Gln-6, Val-19 to Ala-24.	L0439: 12, L0743: 5, L0747: 5, L0749: 5, L0769: 4, L0794: 4, L0731: 4, L0803: 3, L0774: 3, L0809: 3, H0254: 2, H0393: 2, H0318: 2, H0052: 2, H0188: 2, H0040: 2, L0659: 2, L0790: 2, L0438: 2, L0753: 2, H0423: 2, H0265: 1, H0685: 1, H0341: 1, H0402: 1, S0360: 1, H0580: 1, L0717: 1, H0550: 1, H0370: 1, H0333: 1, H0643: 1, H0486: 1, H0013: 1, H0250: 1, H0599: 1, H0042: 1, H0253: 1, H0327: 1, H0046: 1, H0086: 1, H0012: 1,		

HTTJS76	1024472	602	3 - 392	2777	Pro-1 to His-22, Lys-45 to Arg-59, Asp-77 to Pro-88, Ser-109 to Glu-119:	S0051: 1, H0399: 1, H0687: 1, H0286: 1, H0617: 1, H0032: 1, H0673: 1, S0036: 1, H0135: 1, H0591: 1, H0087: 1, H0100: 1, T0041: 1, H0494: 1, H0561: 1, H0130: 1, L0638: 1, L0764: 1, L0662: 1, L0804: 1, L0651: 1, L0657: 1, L0783: 1, L0666: 1, L0664: 1, L0665: 1, L0352: 1, H0547: 1, H0519: 1, H0682: 1, H0684: 1, H0521: 1, S0044: 1, H0631: 1, S0206: 1, L0754: 1, L0779: 1, L0780: 1, L0597: 1, H0543: 1, H0422: 1 and H0506: 1, L0740: 15, L0754: 7, L0747: 6, L0777: 6, L0662: 5, H0539: 5, L0439: 5, L0758: 5, L0438: 4, L0748: 4, S0444: 3, H0031: 3, H0553: 3, L0770: 3, L0774: 3, L0749: 3, L0756: 3, L0755: 3.		
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HCORI57	1024556	603	230 - 1237	2778	Gly-29 to Glu-35, Met-57 to Lys-64, Ser-104 to Ser-109, Tyr-122 to Val-128, Pro-144 to Asp-153, Pro-244 to Gly-253, Arg-323 to Pro-330.	H0519: 1, S0126: 1, H0689: 1, H0658: 1, H0666: 1, H0648: 1, H0651: 1, S0328: 1, S0152: 1, S0350: 1, H0521: 1, H0696: 1, S0146: 1, L0750: 1, L0752: 1, L0759: 1, H0445: 1, L0684: 1, L0686: 1, S0434: 1, S0436: 1, L0599: 1, L0361: 1 and S0106: 1.	8p22	148370, 238600, 238600, 238600, 238600, 600143, 601385, 602629
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HNORG50	1024624	604	2 - 1120	2779	Ile-1 to Gln-18, Lys-69 to Gln-74, Ala-81 to Arg-86, Lys-102 to Lys-107, Glu-146 to Val-153, His-156 to Ile-161, Glu-195 to Ser-207, Asp-306 to Leu-316, Ala-318 to Gly-333, Gln-346 to Asp-352.	L0601: 25, S0474: 22, H0521: 17, S0278: 16, H0542: 14, H0543: 13, L0596: 11, H0580: 10, H0494: 10, H0575: 8, L0659: 8, H0581: 7, H0559: 6, H0031: 6, L0655: 6, S3014: 6, S0027: 6, L0591: 6, H0657: 5, S0358: 5, S0360: 5, H0457: 5, H0529: 5, L0666: 5, S0152: 5, L0748: 5, L0731: 5, H0583: 4, H0650: 4, H0587: 4, H0318: 4, H0040: 4,	H0059: 1, L0598: 1, L0520: 1, L0769: 1, L0637: 1, L0768: 1, L0803: 1, L0804: 1, L0653: 1, L0657: 1, L0383: 1, H0690: 1, H0435: 1, H0658: 1, S0330: 1, H0518: 1, S0152: 1, S0044: 1, S0027: 1, L0754: 1, L0747: 1, L0750: 1, L0731: 1, L0608: 1, L0593: 1, L0594: 1 and H0667: 1.		
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HWLVR07	1024915	605	687 - 328	2780	Lys-28 to Thr-33, Asn-35 to Lys-53, Ala-98 to Glu-104.			
HOPKF60	1025047	606	1132 - 197	2781	Glu-41 to Lys-46, Ser-49 to Glu-55, Asp-109 to Arg-114, His-133 to Asp-138, Arg-170 to Glu-181, Ala-246 to Pro-254, Lys-282 to Ser-287, Ala-296 to Asp-302.	S0358: 10, H0584: 9, S0420: 8, L0439: 8, H0543: 8, H0250: 7, H0618: 7, L0601: 7, S0046: 6, H0424: 6, H0251: 5, H0046: 5, L0438: 5, H0435: 5, H0136: 5, S0045: 4, H0599: 4, H0494: 4, H0561: 4, H0547: 4, H0539: 4, L0748: 4, L0751: 4, S0212: 3, S0007: 3, H0486: 3, H0706: 3, H0253: 3, H0545: 3, S0036: 3, H0040: 3, H0551: 3, H0264: 3, H0132: 3, H0529: 3, H0144: 3, H0520: 3, H0448: 3, H0445: 3, H0665: 3, H0423: 3, H0677: 3, H0624: 2, S0040: 2, H0341: 2, H0484: 2, H0125: 2, S0360: 2, S0222: 2, H0586: 2, H0497: 2, H0575: 2, H0318: 2, H0052: 2,		

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HBDAD74	1025102	607	2 - 406	2782	Gly-22 to Glu-28, Glu-42 to Arg-60, Leu-67 to Glu-89, Asp-106 to Thr-118, Gln-120 to Ile-130.	S0028: 1, L0743: 1, L0744: 1, L0754: 1, L0745: 1, L0747: 1, L0755: 1, L0757: 1, L0759: 1, H0595: 1, L0596: 1, L0592: 1, L0608: 1, L0593: 1, H0668: 1, H0653: 1, H0542: 1, H0506: 1 and H0352: 1. L0766: 7, L0803: 4, L0779: 3, H0421: 2, H0615: 2, L0382: 2, L0748: 2, L0777: 2, L0002: 1, S0116: 1, H0638: 1, S0358: 1, H0393: 1, S6022: 1, H0431: 1, H0586: 1, H0486: 1, H0427: 1, S0474: 1, H0327: 1, H0057: 1, H0428: 1, S0036: 1, L0351: 1, H0538: 1, L0638: 1, L0667: 1, L0653: 1, L0659: 1, L0809: 1, H0693: 1, L0438: 1, H0547: 1, S0146: 1, H0626: 1, L0746: 1, L0756: 1, L0752: 1, L0731: 1, L0758: 1.		
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HPCTY12	1025231	608	68 - 1225	2783	Ala-1 to Ser-8.	S0308: 1, H0595: 1, L0596: 1 and L0599: 1. L0805: 3, H0657: 2, L0769: 2, L0766: 2, L0659: 2, L0809: 2, L0789: 2, L0665: 2, L0565: 2, H0659: 2, L0749: 2, L0777: 2, L0755: 2, L0596: 2, H0685: 1, H0583: 1, H0650: 1, H0656: 1, H0663: 1, S0420: 1, S0356: 1, H0619: 1, L0717: 1, H0586: 1, H0251: 1, H0050: 1, H0622: 1, H0135: 1, H0038: 1, H0551: 1, H0272: 1, H0561: 1, H0509: 1, L0637: 1, L0646: 1, L0794: 1, L0387: 1, L0776: 1, L0655: 1, L0657: 1, L0636: 1, L0666: 1, L0664: 1, H0520: 1, H0547: 1, H0519: 1, H0672: 1, L0593: 1, H0667: 1 and H0352: 1.	12q12-q13	107777, 123940, 139350, 139350, 148040, 148041, 148043, 148070, 231550, 600194, 600231, 600536, 600808, 600956, 601284, 601769, 601769, 601928, 602116, 602153
HFASF12	1025327	609	103 - 201	2784	Pro-19 to Cys-28.	L0747: 4, L0757: 4, L0759: 4, L0770: 3, L0769: 2, L0659: 2,		

HLIBM71	1025359	610	147 - 617	2785	Ser-26 to Ile-35.	H0691: 2, L0750: 2, S0116: 1, H0638: 1, S0300: 1, H0587: 1, L0021: 1, S0474: 1, H0529: 1, L0762: 1, L0764: 1, L0768: 1, L0775: 1, L0776: 1, L0634: 1, L0783: 1, L0663: 1, H0689: 1, H0521: 1, S0027: 1, L0748: 1, L0777: 1, L0752: 1, L0755: 1, L0731: 1, H0445: 1 and H0423: 1.		
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HNOKW27	1025366	611	3 - 701	2786	Phe-9 to Trp-14, Arg-125 to Asp-148, Ser-156 to Asp-163, Pro-206 to His-211.	H0355: 1, H0416: 1, H0428: 1, L0483: 1, H0181: 1, H0617: 1, H0032: 1, S0364: 1, H0063: 1, H0087: 1, H0264: 1, H0100: 1, H0494: 1, H0560: 1, L0065: 1, H0132: 1, H0131: 1, S0150: 1, H0647: 1, L0770: 1, L0769: 1, L0772: 1, L0764: 1, L0662: 1, L0387: 1, L0657: 1, L0658: 1, L0541: 1, S0052: 1, H0547: 1, H0539: 1, S0406: 1, H0478: 1, H0727: 1, H0732: 1, S0032: 1, L0439: 1, L0740: 1, L0747: 1, L0779: 1, L0755: 1, L0757: 1, L0758: 1, L0759: 1, S0434: 1, S0436: 1, L0581: 1, L0595: 1, H0665: 1, H0423: 1 and S0446: 1.		
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HPFDG48	1025526	612	461 - 303	2787		AR089: 2, AR039: 2, AR104: 2, AR053: 2, AR096: 2, AR060: 1, AR033: 1, AR061: 1, AR055: 1 L0748: 6, H0169: 1, S0428: 1, S0136: 1, L0754: 1 and L0749: 1.	Xp11.23- p11.22	300008, 300008, 300008, 300008, 300047, 300071, 300110, 300600, 301000, 301000, 301830, 309470, 309500, 309610, 309850, 311050, 312060
HVVBFF24	1025712	613	49 - 1296	2788	Ser-1 to Gly-18, Trp-25 to Gly-31, Arg-46 to Ser-52, Ala-103 to Ala-108, Ser-154 to Gly-165, Gln-228 to Pro-236, Ser-284 to Gly-291, Ala-321 to Asp-327, Lys-377 to Asn-394, Asp-406 to Ser-416.	AR089: 13, AR060: 5, AR096: 5, AR104: 5, AR061: 2, AR055: 1 S0152: 12, S0356: 10, H0551: 6, H0423: 6, S0212: 5, H0090: 5, H0667: 5, S0358: 4, H0620: 4, H0622: 4, H0591: 4, L0794: 4, S0380: 4, L0731: 4, L0588: 4, S0242: 4, S0360: 3, S0474: 3, H0581: 3, S0126: 3,		

	H0436: 3, S0028: 3, L0756: 3, H0445: 3, S0192: 3, S0196: 3, H0656: 2, S0116: 2, S0442: 2, S0376: 2, S0046: 2, H0549: 2, H0098: 2, H0014: 2, S0003: 2, H0560: 2, H0641: 2, H0529: 2, L0766: 2, H0520: 2, H0519: 2, H0666: 2, L0602: 2, H0478: 2, L0740: 2, L0751: 2, L0754: 2, S0434: 2, L0595: 2, H0542: 2, H0543: 2, H0624: 1, H0170: 1, S0040: 1, S0402: 1, S0134: 1, H0341: 1, H0661: 1, H0663: 1, H0449: 1, H0638: 1, S0045: 1, S0140: 1, L0717: 1, H0411: 1, S0222: 1, H0497: 1, H0486: 1, T0040: 1, H0244: 1, H0427: 1, H0004: 1, H0596: 1, H0566: 1, L0163: 1, H0051: 1, S0051: 1, T0079: 1, H0375: 1, H0060: 1,					
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HE8UF88	1025745	614	4207 -	2789	Ala-8 to Arg-14,	S0250: 1, H0615: 1, H0029: 1, H0553: 1, H0644: 1, H0032: 1, H0169: 1, H0316: 1, H0038: 1, H0040: 1, H0634: 1, H0063: 1, T0067: 1, H0477: 1, H0488: 1, H0623: 1, H0494: 1, H0625: 1, L0065: 1, S0438: 1, H0509: 1, S0142: 1, L0770: 1, L0646: 1, L0662: 1, L0653: 1, L0776: 1, L0659: 1, L0526: 1, L0666: 1, S0374: 1, H0693: 1, H0547: 1, H0682: 1, H0435: 1, H0658: 1, H0660: 1, H0648: 1, H0672: 1, S0328: 1, H0710: 1, H0518: 1, H0579: 1, H0704: 1, H0555: 1, S0390: 1, S0037: 1, S0027: 1, L0439: 1, L0747: 1, L0752: 1, L0759: 1, H0444: 1, H0595: 1, L0362: 1, S0011: 1, S0194: 1 and S0384: 1.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

				Ile-64 to Thr-69, Val-94 to Asp-101, His-112 to Gln-117, Tyr-139 to Glu-145, Tyr-195 to Cys-208, Gly-216 to Gly-223, Asp-297 to Ser-307, Gly-378 to Leu-383, Ile-391 to Pro-404, Asn-451 to Ser-466.	L0758: 8, L0771: 6, L0747: 6, S0422: 5, L0770: 5, H0341: 4, S0356: 4, H0486: 4, H0251: 4, H0038: 4, H0040: 4, T0041: 4, L0766: 4, S0152: 4, L0439: 4, H0171: 3, S0360: 3, S0046: 3, H0574: 3, H0024: 3, T0042: 3, S0440: 3, H0529: 3, H0670: 3, S0330: 3, H0539: 3, L0754: 3, L0749: 3, L0779: 3, H0624: 2, S0134: 2, H0583: 2, H0657: 2, S0116: 2, S0418: 2, S0354: 2, S0045: 2, H0318: 2, T0110: 2, H0046: 2, H0266: 2, S0003: 2, H0591: 2, H0634: 2, H0412: 2, H0561: 2, L0768: 2, L0806: 2, L0664: 2, H0144: 2, L0565: 2, H0519: 2, H0659: 2, H0672: 2, S0328: 2, S0378: 2, H0521: 2, H0696: 2, H0345: 2, L0741: 2,		
	2810						

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HOUBC29	1025749	615	1558 - 1259	2790	Leu-11 to Gly-22, Ala-87 to Gly-96.	L0748: 2, L0745: 2, S0040: 1, H0637: 1, H0580: 1, H0553: 1 and L0761: 1.		
HOCPY47	1025965	616	71 - 1606	2791		L0758: 9, S0412: 8, L0749: 6, S0360: 5, H0038: 5, L0662: 5, L0751: 5, S0356: 3, H0618: 3, S0051: 3, H0616: 3, L0666: 3, L0743: 3, L0439: 3, L0731: 3, H0295: 2,		





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HODGH47	1026139	618	398 - 1024	2793				H0666: 13, H0620: 7, L0731: 7, L0747: 6, L0659: 5, L0740: 5, L0750: 5, L0757: 5, S0360: 4, H0123: 4, S0022: 4, H0135: 4, L0666: 4, L0665: 4, S0028: 4, L0748: 4, L0777: 4, L0588: 4, S0420: 3, S0358: 3,				

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HODBK27	1026372	619	87 - 497	2794			H0328: 2, H0656: 1 and H0538: 1.			
HE8CH59	1026805	620	1889 - 2770	2795	Tyr-1 to Pro-8, Asp-21 to Lys-28, Arg-30 to Ile-38,	H0583: 2, L0744: 2, L0747: 2, H0650: 1, H0656: 1, S0356: 1,				

					Asn-71 to Gln-76, Val-85 to Pro-101, Ser-104 to Arg-111, His-123 to Arg-128, Glu-146 to Arg-152, Val-155 to Asp-271, Leu-274 to Gly-279, Ser-283 to Glu-290.				H0013: 1, H0590: 1, H0581: 1, H0251: 1, H0266: 1, H0328: 1, H0615: 1, H0135: 1, H0488: 1, H0538: 1, L0521: 1, H0539: 1, H0522: 1, S0028: 1, L0366: 1 and H0677: 1.			
HSKGR52	1026911	621	2 - 625	2796	Asn-53 to Arg-58, Asp-79 to Tyr-89, Pro-98 to Pro-108, Lys-195 to Lys-200.				AR052: 91, AR096: 79, AR053: 69, AR039: 64, AR089: 46, AR060: 39, AR033: 35, AR104: 32, AR055: 14, AR061: 10 L0805: 22, L0794: 15, L0766: 12, L0747: 12, L0803: 11, L0740: 11, L0779: 11, L0776: 9, L0769: 7, H0521: 7, L0439: 7, L0731: 7, L0605: 7, S0474: 6, S0422: 6, L0752: 6, L0665: 5, L0748: 5, L0758: 5, H0618: 4, S0010: 4, L0771: 4, L0789: 4, S3014: 4, H0341: 3, H0615: 3, H0708: 3, L0763: 3, L0804: 3, L0659: 3, L0809: 3, S0052: 3,			

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HMUAQ05	1026913	622	3 - 218	2797	Pro-2 to Pro-8.				S0354: 2, H0615: 2, L0591: 2, S0356: 1, S0442: 1, S0360: 1, S0222: 1, H0362: 1, H0156: 1, H0036: 1, H0012: 1, H0014: 1, S0051: 1, T0010: 1, H0529: 1, S0126: 1, L0439: 1, L0755: 1 and L0608: 1.				

HCOMA45	1026979	623	536 - 447	2798	Glu-13 to Gly-18.	H0662: 1, S0046: 1, H0658: 1 and H0670: 1.			
HE2KI45	1027007	624	3 - 1565	2799		L0803: 12, H0581: 8, S0358: 6, H0046: 6, H0428: 6, S0356: 5, S0007: 5, H0031: 4, L0665: 4, H0271: 3, H0038: 3, L0794: 3, L0804: 3, L0666: 3, H0693: 3, S0406: 3, L0756: 3, L0758: 3, L0592: 3, S0116: 2, S0444: 2, H0431: 2, H0586: 2, H0486: 2, L0471: 2, H0615: 2, H0039: 2, S0036: 2, H0616: 2, S0422: 2, H0529: 2, L0770: 2, L0521: 2, L0662: 2, L0776: 2, L0787: 2, L0438: 2, H0670: 2, H0660: 2, S0328: 2, S0330: 2, H0436: 2, L0748: 2, L0755: 2, L0485: 2, L0599: 2, S0192: 2, H0423: 2, H0624: 1, S0342: 1, S0114: 1, H0650: 1, H0657: 1, H0638: 1, S0354: 1, S0360: 1,	1		



S0408: 1, S0410: 1, H0329: 1, S0045: 1, S0046: 1, S0278: 1, H0441: 1, H0497: 1, H0331: 1, T0109: 1, S0280: 1, H0705: 1, H0318: 1, S0474: 1, T0110: 1, H0565: 1, H0572: 1, H0050: 1, H0687: 1, S0003: 1, H0553: 1, H0488: 1, H0412: 1, T0041: 1, H0494: 1, S0438: 1, S0440: 1, S0144: 1, H0517: 1, L0763: 1, L0772: 1, L0372: 1, L0800: 1, L0764: 1, L0364: 1, L0649: 1, L0774: 1, L0523: 1, L0805: 1, L0655: 1, L0807: 1, L0527: 1, L0659: 1, L0809: 1, L0663: 1, L0664: 1, S0428: 1, S0053: 1, H0144: 1, S0374: 1, H0520: 1, H0519: 1, S0126: 1, H0682: 1, H0435: 1, H0648: 1, H0672: 1, S0378: 1, H0521: 1, S0044: 1,
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HODDO66	1027207	625	2 - 136	2800			H0667: 3, S0222: 2, H0013: 2, L0438: 2, H0265: 1, H0583: 1, S0280: 1, H0036: 1, H0318: 1, L0471: 1, H0266: 1, H0328: 1, H0553: 1, S0364: 1, H0038: 1, H0040: 1, H0488: 1, L0796: 1, H0144: 1, H0684: 1 and H0423: 1.	2p11.2	178640, 216900	
HVVAT45	1027269	626	71 - 1117	2801	Pro-1 to Leu-8, Arg-41 to Gly-48, Ile-73 to Cys-80, Ala-137 to Tyr-144, Lys-193 to Ala-208, Leu-254 to Leu-259, Ala-317 to Ala-323, Glu-343 to Phe-349.					
HVCAG18	1027484	627	1 - 393	2802	Leu-46 to Thr-53, Pro-80 to Ser-86,		H0690: 1, H0683: 1, H0666: 1 and S0328: 1.	20q12-q13.2	118504, 118504,	

					Arg-101 to Gly-112, Lys-115 to Gly-122.				131242, 139320, 139320, 139320, 139320, 600281, 600281, 602025
HPTXK72	1027486	628	52 - 462	2803	Leu-52 to Thr-59, Pro-86 to Ser-92, Arg-107 to Gly-118, Lys-121 to Gly-128.			L0751: 29, H0549: 17, H0550: 17, L0666: 9, L0747: 8, H0689: 7, H0690: 7, H0682: 7, H0615: 6, H0670: 6, H0328: 5, H0150: 4, H0660: 4, S0330: 4, S0044: 4, L0362: 4, H0597: 3, H0688: 3, L0764: 3, L0657: 3, L0809: 3, L0753: 3, L0758: 3, L0759: 3, H0431: 2, H0046: 2, T0067: 2, H0059: 2, H0647: 2, L0774: 2, L0805: 2, L0783: 2, L0438: 2, H0593: 2, H0648: 2, H0672: 2, S0328: 2, S0404: 2, L0744: 2, L0779: 2, S0436: 2, H0662: 1, S0442: 1, S0444: 1,	

							S0408: 1, S0007: 1, H0461: 1, H0085: 1, H0009: 1, S0024: 1, H0188: 1, H0039: 1, H0604: 1, H0424: 1, H0169: 1, H0674: 1, L0520: 1, L5569: 1, L0803: 1, L0804: 1, L0775: 1, L0658: 1, L0634: 1, L0542: 1, L0528: 1, L2269: 1, L0663: 1, L0665: 1, H0684: 1, H0659: 1, H0658: 1, S0380: 1, S0406: 1, H0555: 1 and L0780: 1.				
HHSGW78	1028405	629	150 - 404	2804			H0306: 1 and S0388: 1.5q11.1	253200, 600887			
HDTLR06	1029191	630	3 - 1013	2805			AR053: 5, AR089: 5, AR096: 4, AR039: 4, AR060: 3, AR104: 2, AR055: 2, AR033: 2, AR061: 1 L0731: 15, L0754: 14, H0616: 9, L0766: 8, L0758: 8, L0777: 7, H0266: 5, L0752: 5, S0358: 4, S0422: 4, L0518: 4, H0547: 4, S0406: 4, H0013: 3,				



	H0050: 1, H0014: 1, H0373: 1, S0051: 1, H0510: 1, H0328: 1, H0688: 1, H0031: 1, H0644: 1, H0040: 1, H0063: 1, H0488: 1, L0475: 1, S0440: 1, H0641: 1, H0649: 1, H0652: 1, H0529: 1, L0369: 1, L0762: 1, L0763: 1, L0767: 1, L0649: 1, L0803: 1, L0650: 1, L0806: 1, L0805: 1, L0607: 1, L0657: 1, L0783: 1, L0809: 1, L0530: 1, L0793: 1, L0666: 1, L0665: 1, S0148: 1, S0126: 1, H0683: 1, H0658: 1, H0670: 1, H0660: 1, S0380: 1, S0152: 1, S0454: 1, H0521: 1, H0696: 1, S0188: 1, S0392: 1, H0626: 1, S0390: 1, L0759: 1, H0444: 1, S0308: 1, S0026: 1, H0667: 1, S0194: 1, H0542: 1, H0543: 1, S0412: 1 and H0506: 1.	
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HPAMG11	1029484	631	1328 - 663	2806	Pro-32 to Lys-38, Ser-201 to Pro-211, Glu-217 to Glu-222.	H0413: 2, H0556: 1, H0638: 1, S0376: 1, H0457: 1, H0009: 1, H0519: 1, H0682: 1, H0672: 1, L0748: 1, L0759: 1 and H0445: 1.		
HSDJR27	1030870	632	1758 - 622	2807	Gln-8 to Arg-27, Val-34 to Asn-39, Tyr-65 to Gly-75, Glu-80 to Lys-87, Thr-207 to Gly-218, Thr-245 to Gln-250, Leu-256 to Thr-263, Leu-273 to Thr-281, Lys-289 to Leu-296, Ser-323 to Asn-330.	L0665: 3, L0777: 3, L0717: 2, L0776: 2, L0438: 2, L0756: 2, L0752: 2, S0116: 1, H0661: 1, H0339: 1, H0549: 1, H0587: 1, H0688: 1, H0553: 1, L0351: 1, S0422: 1, L0437: 1, L0769: 1, L0637: 1, L0771: 1, L0662: 1, L0794: 1, L0766: 1, L0655: 1, L0787: 1, L0789: 1, L0664: 1, L0352: 1, H0659: 1, L0748: 1, L0754: 1, L0779: 1, L0731: 1, L0758: 1, S0260: 1, L0480: 1, L0596: 1 and L0608: 1.		
HOCPL33	1030871	633	1032 - 571	2808	Asp-1 to Gly-6, Pro-14 to Trp-35, Arg-37 to Gly-45, Ser-63 to Pro-72, Pro-87 to Arg-100,	L0770: 4, L0439: 4, L0438: 3, H0670: 3, L0748: 3, L0740: 3, H0538: 2, L0777: 2, S0342: 1, S0110: 1,		

					Pro-102 to Gly-107.	S0354: 1, S0444: 1, S0360: 1, H0729: 1, H0728: 1, H0734: 1, H0619: 1, H0549: 1, H0550: 1, H0587: 1, H0427: 1, H0253: 1, H0023: 1, T0010: 1, H0039: 1, H0674: 1, H0135: 1, H0488: 1, H0494: 1, S0015: 1, H0647: 1, S0210: 1, L0763: 1, L0800: 1, L0644: 1, L0521: 1, L0768: 1, L0775: 1, L0805: 1, L0659: 1, L0782: 1, L0783: 1, L0528: 1, L0789: 1, L0791: 1, L0793: 1, L0532: 1, H0725: 1, H0659: 1, H0658: 1, H0660: 1, S0013: 1, S0037: 1, S0206: 1, L0751: 1, L0605: 1, L0485: 1, L0599: 1 and S0026: 1.		
HPCQN80	1030963	634	86 - 2158	2809		L0803: 4, L0777: 4, L0758: 4, L0804: 3, L0659: 3, L0752: 3, S0408: 2, L0717: 2, L0598: 2, L0770: 2,		



HODEJ22	1031076	635	1561 -	2810		L0662: 2, L0661: 2, L0657: 2, L0526: 2, L0664: 2, H0659: 2, H0648: 2, L0748: 2, L0751: 2, L0749: 2, L0779: 2, S0040: 1, H0713: 1, S0356: 1, S0442: 1, S0360: 1, H0393: 1, H0351: 1, H0441: 1, H0486: 1, H0581: 1, H0123: 1, H0050: 1, S0051: 1, H0673: 1, S0438: 1, S0144: 1, L0520: 1, L0763: 1, L0371: 1, L0637: 1, L5566: 1, L0800: 1, L0764: 1, L0773: 1, L0649: 1, L0381: 1, L0774: 1, L0375: 1, L0806: 1, L0653: 1, L0776: 1, L0809: 1, L0530: 1, L0788: 1, L0666: 1, H0521: 1, H0555: 1, S0032: 1, L0740: 1, L0745: 1, L0750: 1, L0756: 1, L0757: 1, L0591: 1, L0581: 1 and H0506: 1.	L0766: 6, L0804: 5,	
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			1307				L0748: 5, L0666: 4, L0663: 4, L0634: 3, L0740: 3, H0445: 3, H0318: 2, H0046: 2, H0615: 2, H0428: 2, L0761: 2, L0775: 2, L0665: 2, H0658: 2, H0583: 1, H0656: 1, S0001: 1, H0637: 1, H0090: 1, H0038: 1, S0002: 1, L0520: 1, L0638: 1, L0649: 1, L0527: 1, L0657: 1, L0559: 1, L0647: 1, L0664: 1, S0052: 1, S0428: 1, H0682: 1, H0660: 1, H0555: 1 and L0751: 1.		
HODFZ16	1031085	636	340 - 498	2811	Phe-3 to Ala-23.		L0766: 2, L0748: 2, S0116: 1, L0005: 1, H0615: 1, H0529: 1, L0792: 1 and H0521: 1.		
HWGAE28	1031316	637	1 - 2271	2812	Cys-1 to Arg-6, Thr-84 to Thr-97, Arg-131 to Trp-136, Ser-155 to Gly-160, Thr-187 to Glu-201.		L0439: 9, H0519: 6, L0665: 5, H0547: 5, L0755: 5, S0434: 5, H0529: 4, L0659: 4, S0358: 3, S0010: 3, L0731: 3, L0599: 3, L0595: 3, H0422: 3, H0657: 2, H0581: 2,	2p24	107730, 107730, 107730, 107730, 182601, 602134



							L0804: 1, L0650: 1, L0654: 1, L0661: 1, L0656: 1, L0526: 1, L0790: 1, L0666: 1, L0565: 1, H0520: 1, H0690: 1, H0435: 1, H0659: 1, H0670: 1, H0660: 1, H0696: 1, H0704: 1, S0406: 1, H0555: 1, S3014: 1, S0028: 1, L0740: 1, L0779: 1, L0777: 1, L0780: 1, L0592: 1, L0608: 1, L0362: 1, H0665: 1, S0194: 1, H0542: 1, H0423: 1 and L0465: 1.			
HOFNZ21	1031328	638	109 - 456	2813	Arg-1 to Gly-6.	H0415: 2	9p13-p12	230400, 250250		
HOOKH25	1031329	639	231 - 2696	2814	Ala-4 to Glu-13, Ala-21 to Asp-27, Lys-34 to Asn-40, Asp-91 to Ile-98, Pro-122 to Lys-128, Arg-160 to Gly-165, Glu-203 to Ser-213, Gly-218 to Cys-225, Ser-298 to Lys-304, Glu-307 to Asn-312, Pro-327 to His-333,	L0747: 8, L0659: 7, L0776: 5, L0770: 4, L0662: 4, L0768: 4, L0775: 4, L0752: 4, L0603: 4, H0556: 3, S0410: 3, L0665: 3, L0439: 3, L0750: 3, S0356: 2, S0408: 2, L0471: 2, H0271: 2, S0440: 2, L0762: 2, L0769: 2, L0372: 2,	9p13-p12	230400, 250250		

Thr-363 to Ser-368, Arg-375 to Val-383, Asp-500 to Leu-505, Arg-602 to Asp-608, Glu-722 to Ser-734, Glu-739 to Val-744, Glu-746 to His-751, Leu-778 to Phe-784, Pro-790 to Gly-795, Ala-797 to Thr-807, Tyr-812 to Tyr-821.	L0646: 2, L0764: 2, L0773: 2, L0766: 2, L0649: 2, L0655: 2, L0663: 2, L0664: 2, H0144: 2, L0565: 2, H0547: 2, H0690: 2, H0659: 2, L0602: 2, S0404: 2, L0754: 2, L0749: 2, L0777: 2, L0758: 2, L0596: 2, H0657: 1, S0001: 1, H0484: 1, H0638: 1, S0418: 1, S0444: 1, L0717: 1, H0333: 1, H0156: 1, H0052: 1, H0545: 1, H0012: 1, H0083: 1, H0687: 1, H0674: 1, H0090: 1, H0063: 1, H0264: 1, H0100: 1, L0434: 1, L0351: 1, H0494: 1, H0561: 1, S0466: 1, H0641: 1, H0529: 1, L0763: 1, L0761: 1, L0667: 1, L0363: 1, L0650: 1, L0653: 1, L0654: 1, L0379: 1, L0607: 1, L0807: 1, L0635: 1, L0783: 1, L0383: 1, L0809: 1,
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								L0666: 1, H0658: 1, H0670: 1, H0648: 1, H0521: 1, S0406: 1, L0748: 1, L0731: 1, L0593: 1, L0595: 1, S0026: 1, S0276: 1 and H0422: 1.			
HDTIL75	1031435	640	1 - 1092	2815		Gly-1 to Arg-6, Glu-26 to Gly-31, Gln-70 to Trp-75.		S0410: 8, H0620: 5, H0012: 2, S0040: 1, S0358: 1, S0132: 1, H0486: 1, H0706: 1, H0031: 1, H0628: 1, H0316: 1, S0036: 1, H0090: 1, H0038: 1, H0131: 1, S0144: 1, L0774: 1, L0789: 1, L0666: 1, H0144: 1, L0438: 1, H0435: 1, H0672: 1, S0328: 1, H0539: 1, L0731: 1, S0436: 1 and H0665: 1.			
HPRSB55	1031451	641	3 - 1751	2816		Cys-18 to Lys-24, Gly-57 to Gly-63, Lys-72 to Ile-81, Cys-88 to Glu-93, Gly-97 to Glu-116, Thr-121 to Val-129, Lys-137 to Lys-150, Thr-156 to Asp-161, Gly-177 to Leu-182,		L0766: 4, L0758: 4, L0773: 3, L0748: 3, L0751: 3, L0731: 3, L0759: 3, H0171: 2, H0013: 2, H0644: 2, H0616: 2, H0633: 2, L0805: 2, L0659: 2, L0666: 2, L0665: 2, L0754: 2, L0779: 2,			

					Glu-213 to Leu-229, Asp-275 to Arg-281, Asp-287 to Trp-299, Lys-302 to Arg-316, Leu-338 to Ser-343.	S6024: 1, S0212: 1, S0354: 1, S0046: 1, T0039: 1, H0599: 1, H0575: 1, H0036: 1, T0110: 1, H0046: 1, H0050: 1, L0471: 1, H0355: 1, H0271: 1, H0687: 1, H0553: 1, H0166: 1, H0212: 1, H0211: 1, H0264: 1, H0272: 1, H0100: 1, H0494: 1, S0002: 1, L0637: 1, L0627: 1, L0645: 1, L0764: 1, L0803: 1, L0774: 1, L0653: 1, L0606: 1, L0790: 1, L0664: 1, H0435: 1, H0660: 1, H0648: 1, H0521: 1, L0439: 1, L0747: 1, L0749: 1, L0750: 1, L0752: 1 and L0596: 1.			
HPDPY36	1031606	642	482 - 757	2817	Pro-33 to Pro-40, Pro-47 to Met-56.	L0471: 1, H0617: 1, L0761: 1, L0768: 1, H0658: 1, L0754: 1 and L0779: 1.	12		
HETFJ47	1031922	643	3 - 1328	2818		AR060: 4, AR089: 2, AR061: 1, AR096: 1, AR033: 0, AR039: 0, AR053: 0, AR052: 0			





HMAMΠ21	1031988	644	14 - 1222	2819				L0541: 1, L0789: 1, L0790: 1, L0664: 1, S0374: 1, H0689: 1, H0666: 1, H0478: 1, L0779: 1, S0436: 1, H0506: 1 and H0712: 1. AR096: 10, AR089: 10, AR060: 7, AR104: 6, AR033: 5, AR053: 5, AR039: 4, AR061: 3, AR055: 3 L0803: 9, H0648: 5, H0046: 3, L0805: 3, L0731: 3, S0444: 2, S0360: 2, S0476: 2, H0597: 2, H0412: 2, L0764: 2, L0809: 2, H0670: 2, L0740: 2, L0747: 2, L0756: 2, L0777: 2, S0040: 1, T0049: 1, S0420: 1, S0358: 1, S0376: 1, H0580: 1, L0152: 1, S0045: 1, S0278: 1, H0261: 1, S0280: 1, H0618: 1, H0012: 1, H0266: 1, H0488: 1, H0268: 1, S0144: 1, S0344: 1, S0426: 1, L0638: 1, L0646: 1,		
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HCOQQ85	1032475	645	343 - 672	2820	Arg-37 to Ser-44, Leu-68 to Lys-73, Val-77 to Lys-84, Glu-98 to Lys-110.	L0794: 1, L0804: 1, L0774: 1, L0666: 1, L0664: 1, L0665: 1, S0052: 1, S0374: 1, H0658: 1, H0651: 1, S0028: 1, L0779: 1, L0780: 1, L0755: 1, L0759: 1, H0445: 1 and S0276: 1.			
						L0775: 9, S0126: 9, L0747: 9, H0617: 7, L0750: 7, L0731: 7, H0670: 5, L0740: 5, L0770: 4, L0769: 4, L0768: 4, L0783: 4, L0752: 4, T0023: 3, L0764: 3, L0653: 3, L0776: 3, H0672: 3, S0046: 2, T0039: 2, H0318: 2, H0251: 2, H0545: 2, H0012: 2, H0373: 2, S0388: 2, H0266: 2, H0087: 2, H0100: 2, H0280: 2, L0368: 2, L0753: 2, L0755: 2, L0757: 2, H0595: 2, L0590: 2, L0592: 2, S6024: 1, H0255: 1, H0664: 1, H0177: 1, S0360: 1,	1q21		104770, 107670, 110700, 135940, 145001, 146790, 152445, 152445, 159001, 174000, 179755, 182860, 182860, 182860, 191315, 230800, 230800, 266200, 600897, 601105, 601412,

HE2DQ62	1033653	646	1515 - 796	2821	Arg-1 to Ala-7, Glu-98 to Asp-103, Glu-109 to Asp-115, Leu-141 to Glu-146, Glu-172 to Arg-180	S0408: 1, H0411: 1, H0298: 1, L0622: 1, T0040: 1, L0021: 1, S0049: 1, H0052: 1, H0263: 1, H0597: 1, H0620: 1, T0003: 1, L0163: 1, H0594: 1, H0252: 1, H0606: 1, H0163: 1, S0464: 1, S0438: 1, H0652: 1, L0598: 1, L0763: 1, L0773: 1, L0375: 1, L0629: 1, L0628: 1, L0659: 1, L0518: 1, L0545: 1, L0541: 1, L0788: 1, L0665: 1, H0144: 1, H0691: 1, H0682: 1, H0658: 1, H0660: 1, H0648: 1, S0330: 1, S0380: 1, S0027: 1, L0748: 1, L0754: 1, L0756: 1, L0780: 1, L0758: 1, L0759: 1, L0462: 1 and H0352: 1.		601652, 602491
						H0545: 3, H0046: 3, L0763: 3, L0783: 3, S0358: 2, L0769: 2, L0774: 2, L0809: 2, H0547: 2, S0126: 2		

							H0660: 2, H0672: 2, S0031: 2, L0588: 2, H0624: 1, H0170: 1, H0265: 1, H0556: 1, H0295: 1, H0583: 1, H0657: 1, H0662: 1, S0356: 1, S0354: 1, S0360: 1, H0637: 1, S0046: 1, L0717: 1, H0550: 1, H0013: 1, H0086: 1, H0011: 1, H0510: 1, H0494: 1, H0646: 1, H0529: 1, L0502: 1, L0770: 1, L0638: 1, L0761: 1, L0521: 1, L0528: 1, L0666: 1, L0665: 1, H0144: 1, S0374: 1, H0519: 1, H0659: 1, S0380: 1, H0704: 1, S0028: 1, L0747: 1, L0779: 1, L0777: 1, H0653: 1, S0194: 1 and S0276: 1.			
HEBAE89	1034320	647	179 - 400	2822	Pro-20 to Phe-32, Pro-52 to Phe-59, Lys-68 to His-74.	S0007: 5, S0010: 1, H0617: 1 and L0769: 1.				
HKDBF43	1034471	648	3 - 431	2823	Pro-2 to Asp-14, Ser-71 to Thr-76, Ser-110 to Trp-119.	AR089: 31, AR053: 27, AR096: 26, AR052: 25, AR039: 16, AR060:				

HVVCT43	1034539	649	3152 - 2838	2824			15, AR033: 13, AR104: 13, AR055: 6, AR061: 4 L0749: 4, L0471: 3, L0748: 3, L0777: 3, H0545: 2, H0561: 2, L0770: 2, L0769: 2, L0745: 2, L0779: 2, L0752: 2, L0759: 2, H0657: 1, H0663: 1, H0125: 1, S0358: 1, H0393: 1, H0411: 1, L0586: 1, H0013: 1, H0156: 1, H0083: 1, H0356: 1, H0328: 1, H0321: 1, H0551: 1, S0422: 1, L0764: 1, L0773: 1, L0804: 1, L0774: 1, L0776: 1, L0659: 1, H0547: 1, H0519: 1, H0683: 1, H0659: 1, H0648: 1, H0672: 1, S0330: 1, S3014: 1, L0731: 1, S0031: 1 and H0352: 1. L0666: 47, H0046: 20, H0672: 13, L0754: 11, S0003: 9, L0766: 6, L0664: 6, L0744: 5, L0439: 5, L0777: 5,		
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L0663: 4, H0658: 4, L0599: 4, S0214: 3, L0637: 3, L0521: 3, L0804: 3, L0438: 3, H0435: 3, L0752: 3, S0408: 2, S0046: 2, H0497: 2, H0590: 2, H0050: 2, H0644: 2, H0264: 2, T0041: 2, S0002: 2, S0426: 2, L0770: 2, L0794: 2, L0775: 2, L0665: 2, H0547: 2, S0126: 2, H0659: 2, S0152: 2, H0478: 2, L0786: 2, L0779: 2, L0731: 2, L0759: 2, L0608: 2, H0423: 2, H0624: 1, H0556: 1, H0686: 1, S0342: 1, S0114: 1, S0132: 1, H0645: 1, S0222: 1, H0601: 1, H0270: 1, T0114: 1, H0013: 1, L0021: 1, H0599: 1, H0575: 1, H0318: 1, L0738: 1, H0327: 1, H0014: 1, H0373: 1, S0051: 1, H0021: 1, H0316: 1, H0040: 1, H0616: 1,					
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HTTDR30	1035435	650	609 - 1022	2825	Val-39 to Ala-45.	H0100: 1, H0625: 1, H0561: 1, S0440: 1, H0641: 1, S0144: 1, S0142: 1, L0598: 1, H0529: 1, L0369: 1, L0769: 1, L0646: 1, L0771: 1, L0662: 1, L0803: 1, L0774: 1, L0651: 1, L0805: 1, L0776: 1, L0659: 1, L0783: 1, L0791: 1, L0792: 1, H0519: 1, H0684: 1, H0670: 1, H0660: 1, H0648: 1, S0328: 1, H0518: 1, H0521: 1, H0522: 1, H0696: 1, H0555: 1, H0436: 1, L0758: 1, H0445: 1, L0684: 1, H0595: 1, L0588: 1, S0026: 1, H0543: 1, H0422: 1 and H0506: 1. AR055: 8, AR060: 6, AR052: 6, AR089: 5, AR096: 5, AR053: 5, AR033: 4, AR061: 3, AR104: 2, AR039: 2 L0766: 7, H0591: 3, H0040: 3, L0794: 3, H0689: 3, L0752: 3.		
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							H0581: 2, H0059: 2, L0771: 2, L0809: 2, L0665: 2, L0749: 2, H0637: 1, H0497: 1, T0109: 1, H0036: 1, H0318: 1, H0039: 1, H0181: 1, H0038: 1, H0634: 1, L0637: 1, L0662: 1, L0649: 1, L0388: 1, L0776: 1, L0655: 1, L0658: 1, L0788: 1, H0520: 1, H0690: 1, H0670: 1, H0672: 1, L0751: 1, L0747: 1, L0750: 1, L0777: 1, L0758: 1 and L0361: 1.			
HODGO46	1035602	651	420 - 316	2826	Thr-11 to Asn-18, Gly-25 to Glu-30.	H0615: 2				
HNTTB23	1035988	652	3 - 974	2827	Pro-21 to Asn-31, Arg-158 to Lys-170, Thr-194 to Leu-200.	AR039: 2, AR096: 1, AR089: 1, AR060: 1, AR033: 1, AR061: 1, AR055: 0, AR053: 0 L0757: 3, L0594: 2, S0212: 1, L0527: 1, H0547: 1, S0328: 1 and L0756: 1.				
HVVBV73	1036583	653	334 - 1299	2828	His-55 to Arg-63, Glu-96 to Val-109, Ser-113 to Ala-119,	S0278: 5, H0580: 2, H0575: 2, H0050: 2, S0344: 2, L0764: 2,				



						Lys-140 to Tyr-150, Glu-157 to Ser-172, Gly-174 to Asn-185, Arg-223 to Pro-245, Leu-264 to Asp-272.	H0672: 2, T0002: 1, S0134: 1, H0656: 1, S0116: 1, H0706: 1, S0010: 1, H0581: 1, H0375: 1, H0030: 1, H0031: 1, H0644: 1, H0090: 1, H0087: 1, T0041: 1, S0142: 1, S0002: 1, S0426: 1, L0770: 1, L0667: 1, L0794: 1, L0803: 1, L0543: 1, H0521: 1, L0748: 1, L0749: 1, S0260: 1 and H0542: 1.			
HE8MH38	1036707	654	1 - 1812	2829			H0013: 2 and S0126: 1.			
HTEPV42	1036973	655	1 - 435	2830		Gln-1 to Asp-6, Gly-11 to Ser-16, Pro-21 to Leu-41, Ser-44 to Pro-54.	L0754: 6, L0758: 6, L0598: 3, L0756: 3, H0716: 2, S0358: 2, S0360: 2, S0007: 2, H0318: 2, H0052: 2, L0471: 2, H0615: 2, L0794: 2, L0766: 2, L0663: 2, H0658: 2, L0750: 2, L0731: 2, H0664: 1, H0638: 1, S0442: 1, H0741: 1, H0734: 1, H0229: 1, H0411: 1, H0415: 1, H0497: 1, H0574: 1, H0599: 1, H0108: 1,			

						S0010: 1, S0474: 1, H0581: 1, H0050: 1, S0214: 1, H0030: 1, H0032: 1, H0113: 1, H0616: 1, T0067: 1, H0488: 1, H0059: 1, S0438: 1, H0538: 1, L0803: 1, L0805: 1, L0776: 1, L0655: 1, L0659: 1, L0809: 1, L5623: 1, L0788: 1, L0791: 1, L0793: 1, L0666: 1, H0520: 1, H0519: 1, H0684: 1, H0670: 1, H0521: 1, L0747: 1, L0749: 1, L0752: 1, L0759: 1, S0434: 1, L0596: 1, L0592: 1, L0362: 1 and H0423: 1.		
HFTCG52	1037108	656	706 - 89	2831	Val-10 to Lys-17, Val-137 to Gly-142, Pro-148 to Tyr-167.	AR061: 28, AR033: 25, AR104: 22, AR055: 22, AR060: 19, AR089: 19, AR052: 12, AR039: 11, AR096: 11, AR053: 8 L0751: 7, L0769: 6, L0750: 5, L0752: 5, H0052: 4, L0771: 4, L0775: 4, L0758: 4,		

H0556: 3, L0665: 3, H0486: 2, S0010: 2, H0620: 2, T0006: 2, H0181: 2, H0494: 2, L0774: 2, L0375: 2, L0776: 2, L0512: 2, L0659: 2, H0555: 2, S0206: 2, L0740: 2, L0747: 2, L0596: 2, L0588: 2, S0276: 2, H0624: 1, S0402: 1, T0049: 1, H0341: 1, H0662: 1, S0358: 1, S0376: 1, S0360: 1, S0045: 1, S0476: 1, L0717: 1, H0351: 1, S0222: 1, H0455: 1, T0114: 1, L0021: 1, H0618: 1, T0048: 1, H0318: 1, L0109: 1, H0309: 1, H0544: 1, H0546: 1, H0545: 1, H0009: 1, H0123: 1, L0471: 1, H0424: 1, H0031: 1, H0628: 1, H0617: 1, H0063: 1, H0059: 1, H0100: 1, H0625: 1, H0633: 1, H0646: 1, H0517: 1, L0770: 1, L0764: 1,					
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HKA0B40	1037131	657	1 - 360	2832	Asp-64 to Phe-69, Thr-104 to Phe-120.	L0766: 1, L0655: 1, L0657: 1, L0526: 1, L0783: 1, L0809: 1, L0544: 1, L0529: 1, L0664: 1, S0428: 1, H0593: 1, S0126: 1, H0682: 1, H0659: 1, H0670: 1, H0648: 1, L0611: 1, S0432: 1, L0756: 1, L0757: 1, S0436: 1 and S0194: 1.		
						AR052: 26, AR033: 22, AR104: 15, AR053: 14, AR060: 12, AR055: 12, AR089: 11, AR096: 8, AR061: 4, AR039: 2 H0360: 14, S0408: 5, L0774: 5, L0749: 5, L0775: 4, H0648: 4, L0623: 3, H0373: 3, L0520: 3, S0328: 3, S0406: 3, S0360: 2, S0222: 2, H0575: 2, T0082: 2, L0471: 2, H0494: 2, L0763: 2, L0769: 2, L0764: 2, L0517: 2, L0809: 2, H0684: 2, L0747: 2, S0031: 2, L0581: 2,		

	H0171: 1, T0002: 1, H0685: 1, T0049: 1, H0657: 1, S0116: 1, L0481: 1, H0638: 1, S0358: 1, S0444: 1, S0410: 1, H0580: 1, H0722: 1, S0045: 1, S0046: 1, S0132: 1, H0393: 1, T0060: 1, H0156: 1, H0230: 1, H0320: 1, H0014: 1, L0163: 1, S0051: 1, H0615: 1, S0036: 1, H0412: 1, H0202: 1, H0560: 1, S0438: 1, S0440: 1, S0144: 1, L0772: 1, L0521: 1, L0662: 1, L0767: 1, L0768: 1, L5574: 1, L0522: 1, L0659: 1, L0526: 1, L0782: 1, L0788: 1, H0689: 1, H0690: 1, H0658: 1, H0670: 1, H0672: 1, S0378: 1, S0404: 1, S0028: 1, L0779: 1, L0757: 1, L0758: 1, L0759: 1, S0434: 1, L0589: 1, S0192: 1, H0422: 1 and S0424: 1.					
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HPDVE37	1037303	658	34 - 885	2833	His-8 to Gly-18, Phe-25 to Ala-39, Val-70 to Ser-75, Gln-114 to Gly-121, Thr-146 to Lys-155, Gly-213 to Asn-219, Glu-256 to Asp-267.	H0521: 68, H0090: 12, L0666: 10, L0748: 10, L0775: 9, H0522: 9, H0638: 8, L0771: 8, L0659: 8, H0591: 7, L0747: 7, L0770: 5, L0664: 5, L0754: 5, H0580: 4, H0486: 4, H0622: 4, H0644: 4, H0551: 4, H0494: 4, L0655: 4, S0374: 4, L0755: 4, L0759: 4, S0132: 3, H0013: 3, H0421: 3, H0553: 3, H0616: 3, H0641: 3, S0142: 3, L0766: 3, L0663: 3, L0665: 3, H0547: 3, L0756: 3, L0779: 3, L0752: 3, S0358: 2, S0376: 2, S0444: 2, S0360: 2, S0278: 2, H0431: 2, H0586: 2, H0575: 2, H0318: 2, H0581: 2, H0457: 2, S0003: 2, H0688: 2, H0039: 2, H0264: 2, H0529: 2, L0763: 2, L0769: 2, L0646: 2, L0803: 2, L0774: 2, H0701: 2,		
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	S0380: 2, H0555: 2, L0439: 2, L0740: 2, L0777: 2, L0731: 2, H0445: 2, L0599: 2, L0608: 2, H0506: 2, S0040: 1, H0650: 1, S0116: 1, S0212: 1, S0356: 1, S0354: 1, S0468: 1, S0045: 1, H0619: 1, S6022: 1, H0370: 1, H0392: 1, H0497: 1, H0642: 1, T0114: 1, H0427: 1, H0042: 1, H0251: 1, H0596: 1, H0046: 1, H0086: 1, H0057: 1, H0083: 1, H0375: 1, T0023: 1, H0031: 1, L0055: 1, H0598: 1, H0135: 1, H0038: 1, H0040: 1, H0412: 1, H0056: 1, T0042: 1, S0370: 1, H0509: 1, S0144: 1, S0002: 1, S0426: 1, L0796: 1, L0772: 1, L0764: 1, L0765: 1, L0662: 1, L0768: 1, L0389: 1, L0804: 1, L0651: 1, L0636: 1, L0647: 1.	
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HTLES74	1037438	659	95 - 859	2834				H0618: 3, L0740: 2, L0749: 2, L0596: 2, L0597: 2, S0354: 1, H0580: 1, H0042: 1, H0253: 1, S0010: 1, H0172: 1, H0615: 1, H0412: 1, S0386: 1, L0648: 1, L0662: 1, L0768: 1, L0803: 1, L0774: 1, L0657: 1, L0809: 1, L0779: 1, L0758: 1 and H0445: 1.			
HCORG51	1037480	660	3 - 434	2835	Cys-1 to Glu-6, Asp-52 to Asp-65, Lys-82 to Pro-88, Phe-111 to Ala-123.			S0136: 33, L0747: 16, H0144: 14, L0731: 14, L0752: 13, S0422: 12, L0740: 12, L0754: 11,			



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		S0476: 3, S0278: 3, S0222: 3, H0486: 3, H0687: 3, H0674: 3, S0448: 3, L0646: 3, L0662: 3, L0649: 3, L0774: 3, L0657: 3, S0374: 3, H0547: 3, S0328: 3, S3014: 3, H0444: 3, H0171: 2, H0265: 2, T0002: 2, S0040: 2, H0716: 2, H0295: 2, T0049: 2, S0218: 2, H0656: 2, S0116: 2, H0638: 2, S0418: 2, S0420: 2, S0358: 2, S0045: 2, H0369: 2, H0431: 2, H0415: 2, H0592: 2, H0586: 2, H0574: 2, T0109: 2, H0250: 2, S0280: 2, S0010: 2, H0052: 2, H0050: 2, H0012: 2, H0051: 2, S0051: 2, H0266: 2, H0288: 2, S0214: 2, H0252: 2, H0428: 2, H0039: 2, H0673: 2, H0135: 2, H0063: 2, H0412: 2, H0623: 2, S0150: 2, H0207: 2,				
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	H0641: 2, S0142: 2, S0344: 2, L0770: 2, L0771: 2, L0766: 2, L0558: 2, L0519: 2, H0520: 2, H0684: 2, H0435: 2, H0710: 2, H0696: 2, H0704: 2, H0134: 2, H0436: 2, S0028: 2, L0756: 2, L0753: 2, H0445: 2, S0434: 2, L0588: 2, H0422: 2, S0470: 1, H0686: 1, H0685: 1, S0342: 1, H0294: 1, S0114: 1, S0134: 1, H0583: 1, H0484: 1, H0663: 1, H0241: 1, H0176: 1, S0356: 1, T0008: 1, H0637: 1, H0152: 1, S0046: 1, H0619: 1, H0645: 1, H0411: 1, H0438: 1, H0600: 1, H0497: 1, H0642: 1, H0331: 1, T0039: 1, H0635: 1, H0427: 1, H0156: 1, H0097: 1, H0575: 1, H0706: 1, H0390: 1, H0581: 1, H0421: 1, H0434: 1, H0196: 1,	
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	H0309: 1, H0596: 1, L0040: 1, H0597: 1, H0327: 1, H0530: 1, H0544: 1, H0545: 1, H0046: 1, N0006: 1, H0570: 1, H0569: 1, H0172: 1, H0123: 1, H0010: 1, H0373: 1, H0083: 1, H0510: 1, H0099: 1, H0267: 1, H0290: 1, H0328: 1, H0535: 1, H0622: 1, L0483: 1, T0006: 1, H0316: 1, H0591: 1, H0040: 1, H0634: 1, H0413: 1, H0100: 1, T0041: 1, H0334: 1, H0560: 1, H0625: 1, S0438: 1, H0647: 1, S0144: 1, H0538: 1, UNKWN: 1, L0369: 1, L0762: 1, L0637: 1, L0761: 1, L0373: 1, L0764: 1, L0773: 1, L0648: 1, L0626: 1, L0767: 1, L0794: 1, L0386: 1, L0378: 1, L0805: 1, L0629: 1, L0383: 1, L0382: 1, L0809: 1, L0530: 1,	
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HPAMM72	1038344	661	2 - 520	2836	Gly-1 to Thr-11.	L0747: 5, H0424: 4, H0617: 4, L0769: 3, L0526: 3, S3014: 3, L0748: 3, L0750: 3, H0661: 2, H0663: 2, H0392: 2, H0156: 2, H0123: 2, H0033: 2, H0213: 2, H0059: 2, L0763: 2, L0542: 2, H0519: 2, L0751: 2,	16p13.3	141750, 141800, 141800, 141800, 141800, 141850, 141850, 141850, 141850, 141850,
						L0789: 1, L0663: 1, S0428: 1, H0701: 1, L0565: 1, H0519: 1, H0593: 1, H0689: 1, H0658: 1, H0672: 1, S0330: 1, H0539: 1, S0378: 1, S0380: 1, H0709: 1, S0152: 1, S0332: 1, S0044: 1, S0188: 1, H0187: 1, L0356: 1, H0478: 1, H0627: 1, H0631: 1, L0611: 1, S0206: 1, S0032: 1, L0439: 1, L0786: 1, H0343: 1, L0592: 1, L0485: 1, H0668: 1, H0136: 1, S0194: 1, S0196: 1, S0460: 1, H0506: 1 and H0008: 1.		

HKZAT03	1038378	662	21 - 1559	2837	Thr-1 to Gly-8, Phe-49 to Leu-67, Gln-142 to Gly-150, Pro-274 to Leu-282.	L0779: 2, L0731: 2, L0757: 2, L0605: 2, L0615: 1, S0342: 1, H0580: 1, S0278: 1, H0550: 1, S0280: 1, L0021: 1, T0048: 1, H0052: 1, H0544: 1, H0545: 1, L0471: 1, H0012: 1, H0620: 1, H0014: 1, N0007: 1, S0051: 1, H0083: 1, H0284: 1, S0250: 1, H0688: 1, H0708: 1, H0080: 1, H0494: 1, H0509: 1, L0770: 1, L0764: 1, L0771: 1, L0376: 1, L0782: 1, L0809: 1, L0545: 1, L0666: 1, H0682: 1, H0659: 1, H0658: 1, H0672: 1, H0696: 1, S0044: 1, H0214: 1, L0743: 1, L0740: 1, L0754: 1, L0777: 1, S0260: 1, S0276: 1 and S0196: 1.	156850, 186580, 191092, 600140, 600273, 601313, 601785
					H0617: 14, H0521: 11, L0794: 4, H0542: 4, H0638: 3, S0360: 3, L0648: 3, L0659: 3,	22q13.33	

					Pro-396 to Leu-402, Arg-405 to Glu-410, Gly-436 to Ala-442, Arg-470 to Pro-476, Pro-481 to Leu-486.	L0665: 3, S0328: 3, H0518: 3, H0423: 3, S0358: 2, H0622: 2, H0641: 2, L0763: 2, L0663: 2, L0664: 2, H0689: 2, H0522: 2, H0555: 2, H0422: 2, H0624: 1, H0585: 1, H0657: 1, H0671: 1, H0402: 1, S0376: 1, H0580: 1, S0278: 1, H0549: 1, H0602: 1, H0586: 1, H0069: 1, H0635: 1, H0581: 1, H0546: 1, H0510: 1, H0179: 1, H0271: 1, H0644: 1, H0606: 1, H0090: 1, H0634: 1, H0551: 1, H0488: 1, H0509: 1, L0640: 1, L0800: 1, L0662: 1, L0804: 1, L0607: 1, L0657: 1, L0809: 1, L0790: 1, L0666: 1, H0593: 1, H0684: 1, H0672: 1, H0710: 1, S0434: 1, S0436: 1 and S0196: 1.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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								150100, 168470, 190070, 190070, 200990, 602096
HVCCQ82	1038718	664	3 - 578	2839	Ala-14 to Asp-19, Lys-92 to Arg-110.	L0748: 34, L0777: 15, S0438: 11, S0192: 11, L0608: 7, H0331: 6, H0574: 6, L0771: 6, S0027: 6, L0756: 6, H0632: 5, L0731: 5, S0360: 4, H0427: 4, L0662: 4, L0744: 4, L0779: 4, L0757: 4, S0242: 4, S0354: 3, S0408: 3, H0494: 3, H0509: 3, L0770: 3, L0775: 3, L0809: 3, L0666: 3, H0519: 3, H0648: 3, S3014: 3, S0028: 3, L0750: 3, H0661: 2, S0442: 2, S0358: 2, S0376: 2, S0444: 2, H0013: 2, S0280: 2, H0309: 2, H0545: 2, H0510: 2, H0032: 2, H0551: 2, S0142: 2, S0422: 2, L0774: 2, L0806: 2,	12p12.3- p12.1	103950, 112410, 150100, 168470, 190070, 190070, 200990, 602096



L0776: 2, L0518: 2, L0532: 2, S0374: 2, H0547: 2, H0435: 2, H0696: 2, S0206: 2, S0032: 2, L0755: 2, L0758: 2, H0668: 2, S0194: 2, H0170: 1, H0685: 1, S0116: 1, H0638: 1, H0339: 1, S0045: 1, S0278: 1, S6022: 1, H0586: 1, H0497: 1, H0486: 1, L0021: 1, H0003: 1, H0147: 1, H0421: 1, H0546: 1, S0050: 1, H0014: 1, H0015: 1, S0051: 1, H0355: 1, H0375: 1, H0031: 1, H0628: 1, H0038: 1, S0014: 1, S0466: 1, S0440: 1, H0633: 1, H0646: 1, S0344: 1, S0210: 1, S0002: 1, L0371: 1, L0638: 1, L0772: 1, L0373: 1, L0764: 1, L0522: 1, L0803: 1, L0526: 1, L0545: 1, L0787: 1, L0790: 1, L0663: 1, H0520: 1, H0593: 1,
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							S0126: 1, H0682: 1, H0660: 1, H0666: 1, S0152: 1, S0406: 1, S0392: 1, H0345: 1, L0742: 1, L0439: 1, L0740: 1, L0753: 1, H0444: 1, H0653: 1 and S0196: 1.			
HTGFP54	1038915	665	22 - 528	2840			H0435: 2, S0218: 1 and H0415: 1.			
HBODF41	1039017	666	1 - 2418	2841			L0747: 26, L0740: 20, L0748: 18, L0752: 14, L0745: 13, L0599: 11, L0659: 8, H0509: 7, L0756: 7, L0777: 7, S0222: 6, S0010: 6, L0764: 6, L0776: 6, L0666: 6, L0754: 6, L0746: 6, H0013: 5, S0346: 5, H0050: 5, L0750: 5, L0758: 5, S0360: 4, H0574: 4, H0632: 4, S0280: 4, L0471: 4, H0039: 4, H0622: 4, L0766: 4, L0774: 4, L0783: 4, H0445: 4, L0366: 4, H0586: 3, H0251: 3, H0014: 3, T0010: 3, H0644: 3, L0769: 3,			

614

								S0408: 1, S0410: 1, H0229: 1, H0208: 1, S0045: 1, S0046: 1, H0619: 1, H0645: 1, H0411: 1, H0261: 1, S6016: 1, H0431: 1, H0438: 1, H0587: 1, H0643: 1, H0331: 1, H0599: 1, S0049: 1, H0596: 1, H0545: 1, H0123: 1, H0057: 1, H0373: 1, S0051: 1, H0083: 1, H0355: 1, H0687: 1, H0048: 1, H0212: 1, S0364: 1, H0361: 1, H0090: 1, H0038: 1, H0087: 1, L0060: 1, H0551: 1, H0264: 1, S0386: 1, H0100: 1, L0370: 1, T0042: 1, S0352: 1, S0440: 1, H0646: 1, S0210: 1, S0422: 1, L0770: 1, L0800: 1, L0771: 1, L0773: 1, L0648: 1, L0768: 1, L0522: 1, L0632: 1, L0805: 1, L0607: 1, L0512: 1, L0791: 1, L0792: 1, S0053: 1,					
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HR0DW53	1039068	667	45 - 494	2842	Arg-115 to Gln-127, Leu-137 to Val-150.	S0374: 1, H0593: 1, H0659: 1, S0152: 1, H0696: 1, H0704: 1, H0436: 1, L0609: 1, S0390: 1, S0037: 1, S0027: 1, L0741: 1, L0755: 1, H0444: 1, L0485: 1, L0581: 1, H0667: 1, L0096: 1 and S0194: 1. L0748: 14, L0766: 11, L0777: 5, L0794: 4, L0803: 4, L0776: 3, L0747: 3, L0749: 3, L0791: 2, L0438: 2, H0435: 2, L0779: 2, L0780: 2, S0192: 2, L0442: 1, S0624: 1, S0134: 1, H0583: 1, S0222: 1, H0421: 1, H0235: 1, H0620: 1, H0598: 1, H0059: 1, T0041: 1, S0426: 1, L0764: 1, L0662: 1, L0774: 1, L0805: 1, L0659: 1, L0809: 1, L0790: 1, L0792: 1, L0666: 1, L0664: 1, H0659: 1, H0670: 1, H0648: 1, L0740: 1,		
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HPAMC60	1039290	668	1 - 1242	2843	Pro-7 to Pro-17, Leu-20 to Gly-26, Leu-48 to Val-54, Pro-65 to Asn-70, Glu-90 to Ala-95, Ala-102 to Gln-116, Glu-122 to Leu-137, Val-183 to Leu-192, Ala-235 to Ile-256, Gly-264 to Asp-270, Phe-282 to Ile-288, Arg-309 to Ala-314, Asn-330 to Asp-336, Ala-338 to Asp-344, Lys-358 to Lys-367.	L0750: 1, L0758: 1, S0106: 1 and S0446: 1. H0682: 1	15q22	102578, 109700, 151670, 154550, 601780
HLMHM83	1039491	669	155 - 745	2844	Val-43 to Tyr-48, Pro-50 to Ser-57, Thr-75 to Gly-83, Tyr-95 to Asn-105, Tyr-155 to Trp-163.	H0617: 7, L0771: 6, S0408: 4, S0358: 3, H0638: 2, L0761: 2, L0764: 2, L0655: 2, L0634: 2, L0666: 2, H0435: 2, L0751: 2, L0777: 2, H0506: 2, H0650: 1, H0254: 1, H0255: 1, S0444: 1, H0351: 1, H0549: 1, H0600: 1, H0592: 1, L0022: 1, H0744: 1,		

								H0204: 1, H0231: 1, S0440: 1, L0800: 1, L0643: 1, L0648: 1, L0662: 1, L0776: 1, L0664: 1, S0216: 1, H0690: 1, H0672: 1, S0378: 1, S0406: 1, H0555: 1, L0747: 1 and S0436: 1.		
HOUDK70	1039538	670	84 - 1142	2845	Phe-27 to Gly-32, Tyr-45 to Glu-57, Gly-80 to Asn-89, Ser-182 to Pro-187, Asp-270 to Ser-278, Tyr-288 to Tip-293.	L0748: 13, L0731: 8, H0046: 7, L0740: 7, L0758: 7, L0766: 6, L0665: 5, L0747: 5, L0749: 5, H0135: 4, L0769: 4, L0776: 4, L0659: 4, L0438: 4, L0752: 4, L0757: 4, S0436: 4, H0265: 3, S0222: 3, S0474: 3, H0424: 3, H0040: 3, L0662: 3, L0783: 3, H0672: 3, H0521: 3, L0439: 3, L0750: 3, H0556: 2, H0717: 2, L0415: 2, S0360: 2, H0486: 2, H0575: 2, H0581: 2, H0251: 2, L0738: 2, L0483: 2, H0494: 2, S0440: 2, L0761: 2, L0794: 2,				





HCYBI10	1039579	671	2 - 1042	2846	Pro-29 to Ile-35, Gly-49 to Thr-90, Pro-113 to Val-123, Glu-129 to Lys-146, Glu-151 to Arg-163, Leu-166 to Arg-179.	S0144: 1, S0422: 1, L0640: 1, L0770: 1, L0772: 1, L0373: 1, L0646: 1, L0645: 1, L0768: 1, L0803: 1, L0774: 1, L0775: 1, L0651: 1, L0655: 1, L0661: 1, L0809: 1, L5622: 1, L0663: 1, H0144: 1, H0724: 1, H0593: 1, H0690: 1, H0684: 1, H0435: 1, H0658: 1, H0670: 1, H0648: 1, S0330: 1, S0406: 1, H0447: 1, S3012: 1, L0743: 1, L0744: 1, L0751: 1, L0777: 1, L0780: 1, L0755: 1, L0759: 1, H0665: 1 and H0543: 1.	17q23-q24	106180, 115660, 138700, 139250, 148500, 150200, 154275, 162100, 170500, 170500,
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HMEFK29	1039652	672	643 - 999	2847				H0402: 2, H0570: 1, H0266: 1 and H0666: 1.		
HAOSK79	1039663	673	48 - 659	2848	Asp-10 to Gly-17, Asp-38 to Ser-44, Asn-70 to Thr-79, Gly-81 to Ser-91, Lys-94 to Ala-102, Asp-110 to Ile-116, Asp-152 to Leu-157, Pro-172 to Glu-177.		L0748: 28, L0758: 13, L0769: 7, L0766: 7, S0026: 7, L0749: 6, H0266: 5, H0616: 4, L0750: 4, L0362: 4, H0341: 3, H0658: 3, L0747: 3, H0686: 2, H0318: 2, H0413: 2, H0494: 2, L0646: 2, H0659: 2, L0751: 2, L0731: 2, L0759: 2, L0588: 2, T0002: 1, H0656: 1, H0484: 1, H0661: 1, L0481: 1, H0125: 1, S0045: 1, H0351: 1, H0013: 1,			

						L0021: 1, L0471: 1, H0267: 1, H0252: 1, H0068: 1, H0038: 1, H0087: 1, H0412: 1, H0366: 1, L0772: 1, L0373: 1, L0775: 1, L0806: 1, L0776: 1, L0655: 1, L0657: 1, S0053: 1, H0144: 1, H0547: 1, H0660: 1, H0648: 1, S0152: 1, H0521: 1, S3014: 1, L0743: 1, L0740: 1, L0756: 1, L0777: 1, L0753: 1, L0757: 1, H0445: 1, L0608: 1, H0653: 1, H0136: 1, S0276: 1 and H0543: 1.		
HPDRV42	1039689	674	3 - 1649	2849	Glu-31 to Pro-39, Thr-75 to Glu-80, Ala-131 to Gly-140, Ala-156 to Ala-165, Arg-184 to Phe-189, Asn-221 to Phe-228, Glu-239 to Glu-245, Ser-253 to Asp-261, Thr-267 to Thr-272, Thr-292 to Asp-297, Tyr-313 to Asn-325, Glu-385 to Leu-393,	H0521: 23, S0360: 15, H0046: 14, S0126: 13, L0747: 12, H0551: 11, H0318: 10, S0328: 9, H0542: 9, H0580: 8, H0486: 8, H0581: 8, H0615: 8, S0440: 8, H0660: 8, S0434: 8, H0543: 8, L0664: 7, H0556: 6, S0212: 6, H0494: 6, L0663: 6, S0358: 5, S0476: 5,	15q15	177070, 177070, 182500, 218000, 227220, 243500, 600839, 601800

Tyr-400 to Lys-410, Pro-413 to Gly-420, Lys-454 to Leu-463, Pro-501 to Gly-514, Gln-535 to Leu-549.	H0013: 5, H0457: 5, H0553: 5, H0673: 5, H0696: 5, S0406: 5, L0740: 5, L0731: 5, L0596: 5, H0585: 4, H0661: 4, S0418: 4, S0356: 4, S0408: 4, H0575: 4, H0620: 4, H0617: 4, L0764: 4, L0666: 4, L0665: 4, H0519: 4, S3014: 4, S0027: 4, L0752: 4, H0265: 3, H0713: 3, H0657: 3, H0341: 3, H0671: 3, H0638: 3, S0420: 3, S0354: 3, H0619: 3, H0411: 3, H0370: 3, H0586: 3, H0587: 3, H0597: 3, L0471: 3, H0687: 3, S0250: 3, S0003: 3, S0142: 3, H0529: 3, L0662: 3, L0766: 3, L0651: 3, L0659: 3, H0690: 3, S0152: 3, H0436: 3, S0028: 3, L0748: 3, L0750: 3, L0779: 3, L0755: 3, L0757: 3, H0445: 3, S0011: 3, H0423: 3,					
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				H0667: 2, S0192: 2, H0422: 2, H0506: 2, L0600: 2, H0171: 1, T0002: 1, H0717: 1, H0716: 1, H0295: 1, H0650: 1, S0180: 1, H0484: 1, H0483: 1, H0306: 1, S0442: 1, S0376: 1, H0675: 1, S0410: 1, H0489: 1, H0637: 1, S0007: 1, H0645: 1, H0393: 1, L0717: 1, S0222: 1, H0392: 1, H0415: 1, H0601: 1, H0600: 1, H0574: 1, T0039: 1, H0244: 1, H0427: 1, S0280: 1, H0098: 1, H0042: 1, T0082: 1, H0036: 1, S0346: 1, H0705: 1, H0505: 1, H0309: 1, H0545: 1, L0041: 1, H0015: 1, H0373: 1, S0051: 1, H0071: 1, H0510: 1, H0375: 1, S0318: 1, S0022: 1, H0252: 1, H0688: 1, H0644: 1, H0628: 1, L0055: 1, H0032: 1, H0169: 1,				
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H0124: 1, S0366: 1, S0036: 1, H0090: 1, H0634: 1, H0616: 1, T0067: 1, H0264: 1, H0488: 1, H0412: 1, H0413: 1, T0042: 1, L0475: 1, H0560: 1, S0294: 1, S0450: 1, H0633: 1, H0647: 1, S0344: 1, H0538: 1, S0422: 1, L0598: 1, L0371: 1, L0770: 1, L0638: 1, L0637: 1, L3904: 1, L0772: 1, L0646: 1, L0648: 1, L0767: 1, L0364: 1, L0649: 1, L0381: 1, L0655: 1, L0661: 1, L4669: 1, L0635: 1, L0526: 1, L0783: 1, L0647: 1, L0789: 1, L4559: 1, S0428: 1, H0697: 1, H0702: 1, H0703: 1, H0547: 1, H0682: 1, H0683: 1, H0670: 1, H0648: 1, H0672: 1, H0539: 1, H0710: 1, H0522: 1, S0404: 1, H0555: 1, S0392: 1, H0626: 1,
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HOPJD35	1039703	675	2590 - 1349	2850	Ser-1 to Pro-16, Asn-40 to Gly-46, Pro-48 to Arg-53, Lys-64 to Pro-72, Val-87 to Asp-93, Asp-109 to Tyr-118, Glu-157 to Pro-172, Pro-178 to Gly-188, Glu-252 to Leu-263, Thr-266 to Leu-273, Glu-296 to Ala-310, Glu-312 to Gln-318, Glu-324 to Asn-340, Glu-344 to Gly-373, Glu-383 to Asn-395, Val-399 to Glu-414.	<p>L0662: 1, L0612: 1, S0206: 1, L0743: 1, L0439: 1, L0751: 1, L0753: 1, L0759: 1, S0260: 1, H0444: 1, L0608: 1, L0593: 1, H0668: 1, H0665: 1, S0242: 1, S0194: 1, S0196: 1, S0424: 1, H0008: 1, H0352: 1 and H0712: 1.</p> <p>L0662: 7, H0013: 5, L0766: 5, L0803: 4, L0655: 4, L0665: 4, L0740: 4, L0731: 4, H0677: 4, T0042: 3, L0776: 3, L0809: 3, H0519: 3, L0750: 3, L0759: 3, H0543: 3, H0170: 2, L0470: 2, H0341: 2, S0360: 2, H0266: 2, H0551: 2, L0351: 2, H0529: 2, L0646: 2, L0521: 2, L0651: 2, L0659: 2, L0663: 2, L0664: 2, H0547: 2, H0659: 2, L0602: 2, H0518: 2, H0522: 2, S0406: 2, L0748: 2, L0747: 2,</p>		
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						L0527: 1, L0658: 1, L0529: 1, L0789: 1, L0791: 1, L4501: 1, L0666: 1, S0374: 1, L0565: 1, H0723: 1, S0126: 1, H0684: 1, H0435: 1, H0651: 1, S0330: 1, S0378: 1, S0152: 1, H0521: 1, S0044: 1, H0555: 1, H0631: 1, L0749: 1, L0756: 1, L0786: 1, L0755: 1, L0758: 1, S0031: 1, H0445: 1, L0588: 1, L0605: 1, L0608: 1, L0595: 1 and H0653: 1.			
HTFNP84	1039748	676	70 - 1227	2851	Tyr-11 to Val-16, Glu-37 to Arg-42, Asn-50 to Arg-58, Leu-82 to Leu-96, Glu-112 to Gln-120.	AR096: 1, AR089: 1, AR055: 1, AR053: 1, AR033: 1, AR061: 1, AR060: 0, AR104: 0, AR039: 0, AR052: 0 L0766: 16, S0440: 7, L0646: 7, H0547: 6, H0659: 5, L0749: 5, L0759: 5, H0650: 4, S0410: 4, S0422: 4, S0374: 4, H0341: 3, H0032: 3, H0040: 3, H0529: 3, L0804: 3,			

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HTHDT76	1039871	677	1 - 603	2852	Gln-16 to Ser-24.	S0420: 1, H0600: 1, H0587: 1, H0013: 1, H0428: 1, H0644: 1, H0063: 1, H0386: 1 and L0747: 1.		12q21-q23	124200, 147440, 160781, 217300, 235800,	
HSYEC21	1039891	678	411 - 2372	2853		H0521: 9, L0439: 9, L0747: 8, L0655: 6, L0748: 6, S0212: 5, S6028: 4, L0483: 4, L0794: 4, L0766: 4,				



								H0271: 1, H0687: 1, S0003: 1, S0214: 1, H0428: 1, T0006: 1, H0591: 1, H0551: 1, T0067: 1, H0412: 1, H0560: 1, H0641: 1, S0210: 1, S0426: 1, L0606: 1, L0657: 1, L0518: 1, L0545: 1, H0144: 1, H0519: 1, S0126: 1, S0378: 1, H0436: 1, S3014: 1, L0750: 1, L0756: 1, L0779: 1, L0780: 1, L0758: 1, L0759: 1, H0668: 1 and S0026: 1.				
HKGCO25	1040384	679	3 - 719	2854	Glu-53 to Phe-58, Arg-70 to Phe-79, Ile-94 to Val-102, Thr-106 to Thr-118, Glu-139 to Asp-149, Asp-183 to Lys-215.							
HNOJN70	1040385	680	273 - 425	2855					L0766: 12, L0759: 8, H0171: 6, L0754: 6, L0731: 6, H0624: 5, H0584: 5, H0031: 5, S0422: 5, L0663: 5, H0547: 5, L0756: 5, S0276: 5, H0686: 4, S0474: 4, L0662: 4,			



	H0580: 1, S0045: 1, S0046: 1, S6026: 1, H0351: 1, S0222: 1, H0438: 1, H0486: 1, H0427: 1, L0021: 1, H0097: 1, H0004: 1, H0581: 1, L0041: 1, H0050: 1, L0471: 1, H0023: 1, H0057: 1, H0015: 1, H0051: 1, H0266: 1, S0336: 1, H0687: 1, S0003: 1, S0214: 1, H0622: 1, H0674: 1, H0040: 1, H0616: 1, H0413: 1, T0069: 1, H0100: 1, H0494: 1, H0561: 1, L0065: 1, H0509: 1, H0646: 1, L0598: 1, L0763: 1, L0769: 1, L0638: 1, L0796: 1, L0761: 1, L0641: 1, L0643: 1, L0549: 1, L0498: 1, L0375: 1, L0776: 1, L0527: 1, L0526: 1, L0518: 1, L0783: 1, L0809: 1, L0664: 1, H0144: 1, S0374: 1, T0068: 1, L0438: 1, L0352: 1,	
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HADFS31	1040388	681	440 - 832	2856	Ser-23 to Ser-34, Lys-48 to Glu-53, Cys-78 to Asn-88, Ala-108 to Asp-113, Glu-124 to Pro-131.	H0519: 1, H0593: 1, H0682: 1, H0658: 1, S0328: 1, H0518: 1, H0694: 1, H0626: 1, S0028: 1, L0743: 1, L0740: 1, L0745: 1, L0750: 1, L0780: 1, H0445: 1, L0588: 1, L0593: 1, L0595: 1, S0026: 1, H0423: 1 and S0424: 1. L0439: 13, L0438: 8, L0731: 7, L0756: 6, L0803: 4, L0754: 4, L0750: 4, S0358: 3, H0716: 2, H0427: 2, L0766: 2, L0659: 2, L0783: 2, H0435: 2, H0660: 2, L0755: 2, L0758: 2, S0436: 2, S0342: 1, H0650: 1, L0443: 1, S0442: 1, S0360: 1, H0587: 1, H0632: 1, L0021: 1, T0082: 1, H0051: 1, S6028: 1, H0090: 1, H0646: 1, L0640: 1, L0770: 1, L0794: 1, L0804: 1, L0805: 1, L0809: 1, L0647: 1,		
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HJDBC89	1040569	682	1418 - 726	2857	Gly-11 to Pro-17, Ser-61 to Gly-68, Val-103 to Leu-108, His-157 to Pro-162, Glu-197 to Pro-203, Gly-207 to Thr-213.	L0789: 1, L0666: 1, L0663: 1, H0690: 1, H0659: 1, H0670: 1, S0328: 1, S0028: 1, L0747: 1 and L0752: 1.  L0439: 5, L0749: 5, L0770: 4, L0764: 4, L0438: 4, S0126: 4, L0758: 4, S0358: 3, L0768: 3, L0774: 3, L0783: 3, H0660: 3, S0152: 3, L0752: 3, L0755: 3, L0731: 3, L0592: 3, S0026: 3, H0656: 2, S0360: 2, S0010: 2, H0050: 2, H0169: 2, T0042: 2, L0775: 2, L0518: 2, L0809: 2, L0664: 2, L0665: 2, H0672: 2, L0754: 2, H0543: 2, L0615: 1, H0686: 1, S0116: 1, S0420: 1, S0408: 1, T0112: 1, H0156: 1, H0575: 1, H0706: 1, H0546: 1, H0572: 1, H0123: 1, L0471: 1, H0024: 1, H0373: 1, S0388: 1, T0010: 1, H0510: 1,	14q24.1- q24.3	104311, 109150, 182600, 245200, 601208	
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HTAIX75	1040591	683	129 - 557	2858	Lys-34 to His-39.	S0003: 1, H0424: 1, H0031: 1, H0553: 1, H0165: 1, H0673: 1, H0708: 1, S0036: 1, H0040: 1, T0067: 1, H0488: 1, H0412: 1, S0039: 1, H0494: 1, H0509: 1, H0132: 1, S0144: 1, H0538: 1, H0529: 1, L0520: 1, L0800: 1, L0773: 1, L0794: 1, L0803: 1, L0804: 1, L0659: 1, L0528: 1, S0374: 1, S0148: 1, H0682: 1, H0696: 1, S0044: 1, L0748: 1, L0751: 1, L0745: 1, L0757: 1, H0445: 1, S0276: 1 and S0196: 1.			
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							L0646: 1, L0645: 1, L0766: 1, L0659: 1 and H0658: 1.			
HODBO29	1040620	684	3 - 413	2859			H0373: 2, H0328: 2, H0428: 2, L0769: 2, L0439: 2, T0002: 1, S0376: 1, H0489: 1, S0278: 1, H0550: 1, H0253: 1, H0052: 1, H0063: 1, H0131: 1, L0764: 1, L0766: 1, L0352: 1, S0126: 1, S0380: 1, L0740: 1, L0747: 1, L0752: 1, L0592: 1, L0595: 1 and H0542: 1.			
HOCOF27	1040631	685	76 - 687	2860			H0264: 1, L0766: 1, H0660: 1 and H0539: 1.			
HSPSE88	1040694	686	2 - 922	2861			L0749: 7, S0026: 6, H0616: 4, L0766: 4, L0803: 4, L0665: 4, L0748: 4, L0740: 4, H0624: 3, H0170: 3, H0657: 3, S0358: 3, S0003: 3, L0455: 3, L0498: 3, L0809: 3, L0666: 3, H0659: 3, H0423: 3, S0442: 2, H0083: 2, H0038: 2, L0500: 2, L0764: 2,	11p15	108985, 186921, 602092	

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HSKXM78	1040826	687	1 - 354	2862	Pro-19 to Asn-26, His-58 to Pro-63.	H0556: 2, H0650: 1, S0376: 1, S0474: 1, H0038: 1, H0529: 1, H0683: 1, S3014: 1, S0206: 1, L0740: 1 and L0591: 1.		
HNLMB92	1040913	688	352 - 753	2863	Ala-1 to Gly-21, Pro-28 to Gln-35.	S0358: 8, S0010: 5, S3014: 5, S0126: 4, H0333: 3, T0067: 3, H0547: 3, L0747: 3, S0045: 2, H0486: 2, H0599: 2, S0346: 2, L0471: 2, H0428: 2,	X	

HE8ON57	1040925	689	577 - 149	2864	Pro-18 to Asp-25.	H0616: 2, H0658: 2, S0028: 2, L0742: 2, H0170: 1, S0116: 1, H0449: 1, S0418: 1, S6026: 1, H0550: 1, S0222: 1, H0438: 1, T0040: 1, H0013: 1, H0156: 1, T0082: 1, H0196: 1, H0251: 1, H0530: 1, H0150: 1, H0023: 1, H0266: 1, H0687: 1, H0615: 1, T0006: 1, H0031: 1, H0068: 1, H0551: 1, H0100: 1, T0041: 1, S0150: 1, H0652: 1, S0144: 1, H0529: 1, L0543: 1, H0144: 1, S0374: 1, H0691: 1, H0520: 1, H0689: 1, H0684: 1, H0670: 1, H0660: 1, H0672: 1, H0539: 1, S3012: 1, S0027: 1, L0744: 1, L0754: 1, L0749: 1, L0750: 1, L0752: 1, L0755: 1, L0731: 1, L0757: 1 and S0194: 1.		
						H0619: 1, H0013: 1, L0794: 1 and L0788: 1.		

HOCOC14	1040932	690	494 - 1384	2865	Leu-32 to Lys-43, Phe-92 to Arg-98, Glu-118 to Thr-136, Pro-173 to Tyr-178, Pro-215 to Asn-222, Leu-230 to Asn-235.	H0556: 8, L0758: 7, L0593: 7, H0542: 7, L0601: 6, L0747: 5, H0618: 4, H0620: 4, H0617: 4, H0494: 4, L0439: 4, L0751: 4, S0420: 3, S0046: 3, H0622: 3, H0087: 3, L0766: 3, H0690: 3, H0670: 3, S0328: 3, L0748: 3, L0754: 3, L0731: 3, H0543: 3, H0265: 2, H0650: 2, H0484: 2, H0255: 2, S0418: 2, H0549: 2, H0333: 2, H0024: 2, H0551: 2, S0150: 2, L0764: 2, L0662: 2, L0375: 2, L0663: 2, L0665: 2, H0660: 2, H0521: 2, S0146: 2, L0741: 2, L0779: 2, L0361: 2, L0603: 2, H0422: 2, H0170: 1, S0040: 1, H0295: 1, H0294: 1, H0657: 1, H0656: 1, H0341: 1, S0212: 1, H0661: 1, S0442: 1, S0354: 1, S0360: 1, L0717: 1,	19q13.1	164731, 172400, 172400, 180901, 180901, 221770, 248600, 600918, 602716
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HOGDP49	1041049	691	1 - 489	2866		Pro-6 to Gly-12, Ala-30 to Arg-35, Arg-90 to Thr-102, Phe-112 to Asp-120, Asn-157 to Thr-163.	H0265: 2, H0556: 1, S0418: 1, S0376: 1, T0060: 1, S0280: 1, H0615: 1, H0628: 1, H0059: 1, H0100: 1, L0438: 1, S0126: 1, H0435: 1 and H0660: 1. H0415: 2			
HOFMK22	1041070	692	3 - 359	2867		Asp-22 to Val-42, Phe-50 to Tyr-55, Leu-65 to Gln-70.				
HBGNT69	1041900	693	808 - 383	2868		Glu-20 to Ser-27, Ala-49 to Pro-55, Phe-66 to Asp-71, Ala-77 to Val-83, Pro-85 to Tyr-103, Pro-135 to Ala-142.	H0052: 3, H0617: 3, H0135: 3, H0012: 2, H0253: 1, S0210: 1, L0659: 1 and L0779: 1.			
HSPSI42	1042462	694	3684 - 283	2869		Pro-5 to Ser-12,	L0666: 16, L0751: 15, Xp11.23			300047,

1028, Lys-1082 to Met- 1091, Val-1098 to Gly- 1104, Cys-1116 to Glu- 1122.	H0100: 2, S0142: 2, L5575: 2, L0372: 2, L0764: 2, L0774: 2, L0775: 2, L0378: 2, L0776: 2, L0657: 2, L0636: 2, H0144: 2, L0565: 2, H0690: 2, H0660: 2, S3014: 2, S0028: 2, L0746: 2, L0749: 2, L0752: 2, L0753: 2, S0436: 2, L0588: 2, L0608: 2, S0026: 2, H0352: 2, H0395: 1, H0713: 1, L0785: 1, H0483: 1, S0418: 1, S0442: 1, H0733: 1, H0208: 1, S0045: 1, H0393: 1, H0351: 1, S0278: 1, H0549: 1, L0622: 1, T0039: 1, H0250: 1, H0618: 1, T0048: 1, H0581: 1, H0596: 1, L0040: 1, H0597: 1, H0544: 1, L0041: 1, H0086: 1, N0006: 1, H0620: 1, H0057: 1, H0051: 1, S0051: 1, H0083: 1, H0594: 1, H0188: 1, H0039: 1,
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HPDQD23	1042649	695	174 - 344	2870	Leu-17 to Glu-22, Pro-44 to Gly-51.		H0657: 4, H0687: 2, H0658: 2, H0422: 2, H0222: 1, H0581: 1, S0050: 1, H0412: 1, H0641: 1, H0538: 1, L0648: 1, L0662: 1, L0766: 1, L0775: 1, L0805: 1, L0809: 1, L0438: 1, H0689: 1, S0328: 1, H0525: 1, L0439: 1 and L0755: 1.		12q22	147440, 201470, 235800, 273300
HWMB10	1042859	696	39 - 476	2871	Pro-18 to Pro-24, Thr-45 to Gly-54, Ser-60 to Ser-67, Ala-82 to His-92, Pro-94 to Ser-106, Pro-126 to Arg-133.		S0410: 52, H0617: 5, L0774: 4, S0408: 3, H0360: 3, H0486: 3, L0809: 3, S0380: 3, L0751: 3, L0749: 3, L0361: 3, S0358: 2, S0376: 2, S0360: 2, L0764: 2, L0779: 2, L0752: 2, H0484: 1, H0483: 1, S0442: 1, H0734: 1, H0370: 1, H0257: 1, L0623: 1, H0599: 1, H0575: 1,			

HACNG39	1042871	697	2534 - 900	2872	Asp-16 to Ser-25, Arg-52 to Lys-74, Ile-102 to Asn-109, Asp-138 to Gly-149, Ser-161 to Thr-168, Asn-225 to Arg-235, Asn-247 to Lys-256, His-302 to Cys-311, Ile-324 to Ser-347, Cys-355 to Tyr-361, Cys-365 to Pro-375, Ile-389 to Gln-398, Ile-429 to His-502, Thr-505 to Asp-533, Lys-539 to Ser-545.	L0805: 5, L0766: 4, H0341: 3, S0440: 3, H0650: 2, H0656: 2, H0156: 2, S0003: 2, H0591: 2, H0264: 2, H0560: 2, L0598: 2, S0374: 2, L0438: 2, L0749: 2, L0752: 2, H0423: 2, H0685: 1, H0449: 1, H0458: 1, L0005: 1, S0444: 1, S0408: 1, H0580: 1, H0619: 1, H0486: 1, H0013: 1, H0581: 1, H0194: 1, T0103: 1, H0083: 1, H0551: 1, H0477: 1, H0488: 1,	H0706: 1, H0744: 1, H0231: 1, L0163: 1, H0083: 1, H0510: 1, H0606: 1, H0038: 1, T0067: 1, S0438: 1, S0422: 1, L0770: 1, L0803: 1, L0806: 1, L0776: 1, L0792: 1, L0793: 1, H0660: 1, S0406: 1, H0631: 1, L0750: 1, L0777: 1, H0445: 1, S0436: 1, H0543: 1 and S0424: 1.
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HETKL27	1042951	698	32 - 676	2873	Arg-11 to Gly-36.	S0464: 1, L0773: 1, L0803: 1, L0776: 1, L0657: 1, L0789: 1, L0665: 1, H0547: 1, H0670: 1, S3012: 1, L0748: 1, L0779: 1, L0777: 1, L0758: 1, S0436: 1, S0194: 1 and H0422: 1. AR089: 1, AR060: 1, AR055: 1, AR096: 1, AR053: 0, AR061: 0, AR033: 0, AR104: 0, AR039: 0 L0439: 19, H0046: 11, L0659: 8, L0752: 7, L0662: 6, H0435: 6, H0648: 6, L0803: 5, S0356: 4, S0440: 4, L0794: 4, L0663: 4, H0539: 4, S0152: 4, L0747: 4, L0779: 4, H0661: 3, S0360: 3, S0408: 3, H0598: 3, L0809: 3, L0665: 3, S0374: 3, L0438: 3, L0751: 3, L0731: 3, L0362: 3, H0171: 2, S0358: 2, S0376: 2, H0676: 2, H0393: 2,		
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HPCTH04	1043273	699	3 - 494	2874			H0638: 73, H0641: 67, 9q31 S0358: 25, H0521: 24, L0747: 23, S0408: 17, S0360: 16, H0659: 14, L0748: 13, L0731: 13, H0250: 12, H0494: 12, L0757: 12, S0444: 11, S0026: 11, S0440: 10, S0328: 10, S0206: 9, S0132: 8, S0144: 8, S0007: 7, H0574: 7, S0374: 7, S0126: 7, S0330: 7, L0754: 7, L0749: 7, H0140: 6, H0545: 6, H0316: 6, S0142: 6, L0775: 6, H0522: 6, S0242: 6, H0657: 5, S0046: 5, H0486: 5, S0406: 5, S0027: 5, L0750: 5, S0040: 4, S0442: 4, H0546: 4, H0684: 4, H0648: 4, S3012: 4,				109400, 132800, 132800, 186855, 223900, 253800, 253800, 278700, 602088

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HVVBM94	1043532	701	1 - 852	2876	Lys-1 to Cys-12, Gln-51 to Leu-56, Asp-63 to Asn-70, Lys-75 to Gln-80, Pro-116 to Thr-122, Gly-181 to Gly-190, Asp-210 to Gly-218,	S0422: 1, S0426: 1, L0763: 1, L0638: 1, L0796: 1, L0761: 1, L0667: 1, L0372: 1, L0800: 1, L0642: 1, L0804: 1, L0774: 1, L0775: 1, L0651: 1, L0633: 1, L0657: 1, L0558: 1, L0526: 1, L0384: 1, L0666: 1, L0664: 1, L0665: 1, H0520: 1, H0519: 1, H0593: 1, H0689: 1, H0659: 1, S0328: 1, S0380: 1, H0518: 1, S0152: 1, H0522: 1, H0134: 1, S012: 1, S0390: 1, L0749: 1, L0780: 1, L0757: 1, S0031: 1, S0436: 1, L0595: 1, S0026: 1, H0653: 1, H0665: 1 and H0543: 1.	11q21-q22	105580, 133780, 203100, 203100, 602574, 602574
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Thr-252 to Ile-268, Leu-274 to Lys-284.	H0657: 4, H0125: 4, L0655: 4, L0666: 4, S0358: 3, H0486: 3, H0014: 3, H0648: 3, L0602: 3, H0255: 2, H0602: 2, H0039: 2, H0622: 2, H0264: 2, L0763: 2, L0766: 2, L0774: 2, L0806: 2, L0776: 2, L0665: 2, H0672: 2, S0328: 2, H0134: 2, H0555: 2, L0743: 2, H0671: 1, H0402: 1, H0638: 1, S0007: 1, H0592: 1, H0250: 1, H0635: 1, H0599: 1, H0108: 1, H0004: 1, H0597: 1, H0231: 1, H0046: 1, H0169: 1, H0316: 1, T0042: 1, H0646: 1, L0762: 1, L0800: 1, L0767: 1, L0768: 1, L0387: 1, L5574: 1, L0527: 1, L0657: 1, L0634: 1, L0809: 1, L0792: 1, L0663: 1, H0690: 1, H0682: 1, H0435: 1, H0659: 1, S0378: 1, H0694: 1,
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HVVBC43	1043553	702	2754 - 2083	2877	Arg-3 to Thr-10, Arg-26 to Gly-42, Asn-46 to Ser-59, Glu-106 to Ala-122, Ser-129 to Asp-139, Thr-144 to Thr-156, Leu-197 to Thr-206, Pro-208 to Tyr-219.	L0747: 1, L0749: 1, L0779: 1, L0755: 1, S0308: 1 and H0506: 1, L0717: 10, L0748: 9, L0439: 8, H0623: 7, H0052: 6, H0013: 5, L0776: 5, L0438: 5, L0740: 5, H0521: 4, L0756: 4, H0265: 3, H0556: 3, S0360: 3, L0010: 3, H0620: 3, L0662: 3, L0665: 3, H0522: 3, S0116: 2, S0418: 2, S0358: 2, S0046: 2, H0635: 2, H0575: 2, H0590: 2, S0010: 2, L0109: 2, L0471: 2, H0428: 2, H0622: 2, H0031: 2, H0038: 2, H0264: 2, H0059: 2, S0015: 2, H0641: 2, L0770: 2, L0769: 2, L0773: 2, L0774: 2, L0655: 2, L0659: 2, L0789: 2, S0126: 2, S0037: 2, L0744: 2, L0747: 2, L0779: 2, L0758: 2, L0601: 2, H0170: 1, H0686: 1, S0040: 1,	4p16.3	134934, 134934, 134934, 134934, 134934, 143100, 180072, 180072, 194190, 252800, 252800, 252800, 600965
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HTPDM31	1044199	703	1010 - 3	2878	Ser-49 to Leu-55, Pro-151 to Asp-157, Ala-168 to Arg-184, Pro-191 to Pro-215, Pro-232 to Pro-240, Pro-255 to Arg-268.			H0617: 6, L0666: 3, H0188: 2, H0181: 2, H0196: 1, H0039: 1, H0673: 1, L0373: 1, L0775: 1, L0659: 1, L0809: 1, L0789: 1, L0663: 1, L0665: 1, H0658: 1, S0330: 1, S0378: 1 and S0406: 1.			
HSQEK12	1044577	704	35 - 439	2879	Ala-1 to Asp-16.			L0748: 5, L0439: 5, L0751: 3, L0777: 3, L0758: 2, L0596: 2, L0603: 2, S0001: 1, S0278: 1, H0581: 1, H0052: 1, H0123: 1, H0620: 1, S0388: 1, H0628: 1, H0040: 1, H0616: 1, H0646: 1, L0763: 1, L0770: 1,			

HPDRZ16	1044618	705	187 - 834	2880	Pro-16 to Ala-22, Ala-26 to Val-31, Ser-66 to Val-73, Ala-80 to Pro-90, Glu-127 to Ala-135, Glu-142 to Glu-161, Leu-166 to Trp-173, Pro-176 to Gln-183, Arg-204 to Asp-211.	L0769: 1, L0800: 1, L0794: 1, L0803: 1, L0378: 1, L0776: 1, L0655: 1, L0789: 1, H0670: 1, S0328: 1, H0696: 1, S0406: 1, H0436: 1, L0746: 1, L0779: 1, S0031: 1, L0595: 1, S0011: 1 and S0026: 1.	Xq13.1	304040, 305100, 305450, 309605, 312760, 314250, 314580
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HVCBC44	1044635	706	3 - 896	2881	Ala-1 to Gln-8, Lys-18 to Arg-23, Lys-56 to Val-64, Lys-129 to Ala-140, Pro-149 to Asn-155.	H0666: 70, L0766: 3, L0665: 3, H0596: 2, L0794: 2, L0747: 2, H0624: 1, H0656: 1, L0717: 1, H0013: 1, H0318: 1, H0169: 1, L0643: 1, L0645: 1, L0764: 1, L0804: 1, L0657: 1, H0660: 1, L0757: 1, L0588: 1, L0592: 1, L0595: 1 and L0601: 1.			
HPIAC22	1044711	707	701 - 1741	2882		L0745: 23, L0770: 2, S0150: 1, L0761: 1,			

							L0788: 1, H0520: 1, L0746: 1, L0747: 1, L0758: 1 and L0759: 1.			
HSODA53	1044741	708	855 - 995	2883			AR055: 11, AR060: 6, AR033: 5, AR052: 4, AR061: 4, AR104: 4, AR096: 4, AR089: 4, AR039: 3, AR053: 3 H0328: 2, H0124: 2, L0766: 2, H0171: 1, L0005: 1, S0360: 1, H0329: 1, H0615: 1, H0477: 1, S0440: 1, L0598: 1, H0547: 1, S0126: 1, S0168: 1 and H0595: 1.			
HE9ML74	1044760	709	3 - 959	2884	Asp-8 to Asp-20, Phe-43 to Arg-52, Ser-102 to Asp-107, His-109 to Asp-124, Phe-131 to Lys-136, Pro-143 to Pro-149, Lys-189 to Leu-200, Asn-305 to Trp-310.		AR033: 5, AR060: 4, AR096: 4, AR089: 2, AR053: 1, AR061: 1, AR052: 1, AR055: 0, AR104: 0 L0803: 9, L0758: 7, L0439: 6, L0740: 5, L0766: 4, L0666: 4, L0663: 4, L0754: 4, L0747: 4, L0804: 3, H0144: 3, L0750: 3, L0756: 3, L0752: 3, L0600: 3, S0003: 2, L0455: 2, S0366: 2,			

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HPDRB76	1044762	710	145 - 855	2885	Glu-14 to Gly-20, Gly-30 to Ala-37, Glu-121 to Leu-127, Lys-152 to Tyr-157, Glu-159 to Thr-173, Leu-177 to Lys-186.	H0651: 1, S0013: 1, H0696: 1, H0436: 1, L0779: 1, L0608: 1, S0446: 1 and H0506: 1. L0747: 8, S0358: 6, L0766: 5, L0774: 5, L0750: 5, L0666: 4, S0406: 4, L0731: 4, H0341: 3, H0696: 3, L0748: 3, L0758: 3, H0650: 2, S0356: 2, S0410: 2, L0717: 2, H0014: 2, L0667: 2, L0768: 2, L0775: 2, L0659: 2, L0783: 2, H0659: 2, H0648: 2, S0330: 2, H0539: 2, L0742: 2, L0439: 2, L0745: 2, L0757: 2, L0759: 2, L0592: 2, L0599: 2, L0595: 2, H0657: 1, S0212: 1, H0662: 1, H0125: 1, S0420: 1, S0354: 1, S0444: 1, S0132: 1, S0476: 1, H0370: 1, L0181: 1, H0069: 1, H0427: 1, L0021: 1, H0575: 1, H0318: 1, S0214: 1, H0039: 1,	1p34	130500, 133200, 138140, 168360, 171760, 171760, 176100, 176100, 178300, 230000, 255800
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HSYDI55	1044769	711	231 - 1070	2886	Thr-52 to Glu-63, Lys-108 to Asn-118, Gly-148 to Ile-154, Glu-178 to Thr-183, Ala-185 to Arg-195, Lys-202 to Lys-207, Lys-209 to Arg-222, Ser-226 to Glu-233.	H0622: 1, L0483: 1, H0135: 1, H0616: 1, H0477: 1, H0412: 1, S0014: 1, H0561: 1, L0065: 1, S0440: 1, H0633: 1, L0763: 1, L0761: 1, L0772: 1, L0764: 1, L0381: 1, L0653: 1, L0776: 1, L0657: 1, L0383: 1, L0647: 1, L0664: 1, L0665: 1, H0144: 1, H0723: 1, H0658: 1, H0660: 1, H0627: 1, S0027: 1, L0744: 1, L0753: 1, L0755: 1, L0593: 1 and L0594: 1.  AR052: 16, AR053: 9, AR033: 5, AR089: 4, AR096: 3, AR060: 3, AR104: 2, AR055: 2, AR039: 1, AR061: 1 H0651: 11, L0794: 8, H0038: 5, L0805: 4, L0758: 4, S0358: 3, S0476: 3, L0766: 3, L0803: 3, L0665: 3, H0144: 3, H0521: 3, L0748: 3, L0740: 3, L0756: 3, H0222: 2.		
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HOGCI31	1044821	712	49 - 558	2887			H0435: 1 and S0424: 1.			
HNOKX86	1044893	713	69 - 575	2888			L0740: 20, L0754: 14, L0742: 9, L0771: 7, L0748: 7, L0749: 7, L0752: 6, S0422: 5, L0770: 5, H0585: 4, S0360: 4, H0581: 4, L0769: 4, L0775: 4, S0374: 4, H0521: 4, L0747: 4, L0779: 4, L0753: 4, L0758: 4, H0295: 3, S0278: 3, S0440: 3, S0002: 3, L0649: 3, L0806: 3, S0126: 3, S0380: 3, S0434: 3, S0436: 3, S0026: 3, H0170: 2, H0661: 2, S0358: 2, S0045: 2, H0370: 2, H0442: 2, H0318: 2, S0474: 2, H0687: 2, S0003: 2, H0551: 2, S0438: 2, H0509: 2,			

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HTPHG81	1045117	714	2112 - 577	2889	Thr-19 to Ala-26.	S0150: 1, H0646: 1, S0144: 1, S0142: 1, H0529: 1, L0762: 1, L0763: 1, L0371: 1, L0796: 1, L0637: 1, L0521: 1, L0768: 1, L0805: 1, L0655: 1, L0515: 1, L0526: 1, L0809: 1, L0528: 1, L0788: 1, L0792: 1, L0666: 1, L0663: 1, L0665: 1, H0144: 1, L0438: 1, H0690: 1, H0683: 1, H0684: 1, H0670: 1, S0330: 1, S0152: 1, H0704: 1, H0134: 1, S0406: 1, H0478: 1, H0727: 1, S0206: 1, L0591: 1, H0136: 1, H0216: 1, S0196: 1, H0542: 1, H0543: 1, H0423: 1, L0697: 1, S0424: 1 and S0384: 1.		
						AR039: 19, AR053: 13, AR096: 10, AR052: 9, AR055: 9, AR033: 9, AR089: 8, AR104: 7, AR060: 7, AR061: 6		

HPCTV49	1045379	715	34 - 444	2890	Ser-21 to Pro-28, Pro-36 to Ser-63, Gln-67 to Thr-83, Arg-88 to Thr-94, Pro-106 to Lys-111, Gly-125 to Gly-132.	H0553: 2, S0282: 1, S0049: 1, H0052: 1, H0622: 1, H0040: 1 and S0406: 1.  S0358: 17, S0360: 7, L0604: 7, L0769: 5, L0497: 5, L0655: 5, L0590: 4, H0543: 4, L0622: 3, L0499: 3, L0775: 3, H0659: 3, H0670: 3, L0757: 3, L0588: 3, L0601: 3, S0276: 3, S0114: 2, H0657: 2, S0007: 2, H0586: 2, T0109: 2, T0048: 2, H0327: 2, L0471: 2, H0494: 2, L0770: 2, L0662: 2, L0527: 2, L0513: 2, L0530: 2, H0144: 2, H0689: 2, H0672: 2, H0521: 2, L0750: 2, L0755: 2, L0731: 2, L0596: 2, L0599: 2, L0608: 2, L0440: 1, T0049: 1, H0341: 1, H0483: 1, H0125: 1, H0580: 1, S0045: 1, H0351: 1, H0411: 1, S0222: 1, L0623: 1,		
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HHGDK68	1045464	716	121 - 999	2891	Arg-128 to Asp-133, Lys-155 to Gln-164, Tyr-168 to Leu-174, Glu-190 to Leu-197, Pro-213 to Arg-224, Met-226 to Ser-241, Pro-247 to Ser-255.	L0361: 1, S0026: 1, H0667: 1 and H0542: 1.	22q13.1	103050, 103050, 124030, 124030, 138981, 182380, 188826, 190040, 190040, 190040	
HNOKM38	1045500	717	5155 - 3530	2892	Gln-12 to His-23.	L0731: 21, L0747: 17, L0776: 16, L0748: 14, L0777: 14, L0752: 13, L0755: 13, L0769: 11, L0750: 11, L0766: 10, L0806: 8, L0770: 7, H0556: 5, L0599: 5, L0774: 4, L0756: 4, L0779: 4, L0753: 4, H0341: 3, L0761: 3, L0764: 3, L0771: 3, L0809: 3, H0144: 3, L0743: 3, L0754: 3, L0757: 3, H0265: 2, S0134: 2, H0306: 2, H0402: 2, H0580: 2, H0393: 2, H0369: 2, H0441: 2, H0013: 2,			

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HHFUN47	1045842	718	4701 - 2335	2893	Glu-98 to Asp-109, Ser-121 to Ile-128.	L0805: 1, L0606: 1, L0657: 1, L0659: 1, L0528: 1, L0532: 1, L0664: 1, L0665: 1, S0330: 1, S0027: 1, L0740: 1, L0745: 1, L0749: 1, L0758: 1, H0445: 1, L0608: 1, L0595: 1, L0601: 1, S0242: 1, S0276: 1, H0542: 1, H0543: 1, H0423: 1, H0506: 1 and L0600: 1.		
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HNTSV18	1045995	719	1 - 504	2894	Ala-3 to Gly-19, Arg-29 to Gly-34, Gly-41 to Pro-51, Tyr-90 to Gly-102, Pro-119 to Trp-124.	H0492: 1, H0486: 1, T0082: 1, H0004: 1, S0010: 1, H0242: 1, L0471: 1, H0510: 1, H0039: 1, H0622: 1, H0553: 1, H0090: 1, H0038: 1, H0040: 1, H0616: 1, H0059: 1, H0654: 1, H0538: 1, S0426: 1, L0637: 1, L0761: 1, L0667: 1, L0794: 1, L0560: 1, L0804: 1, L0776: 1, L0666: 1, H0144: 1, S0374: 1, H0519: 1, H0593: 1, S0122: 1, H0684: 1, H0666: 1, S0330: 1, H0539: 1, S0152: 1, H0521: 1, H0522: 1, L0747: 1, L0779: 1, L0758: 1, L0590: 1, L0591: 1, S0192: 1, S0194: 1 and H0422: 1.	7q21-q22	116860, 126650, 126650, 129900, 133170, 154276.
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HWHGU08	1046137	720	2564 - 1749	2895	Ala-43 to Thr-51, Gly-104 to Arg-112.		S0412: 19, L0803: 10, S0003: 9, S0414: 6, L0770: 6, L0766: 6, L0663: 6, L0754: 6, S0406: 5, L0752: 5, S0222: 4, L0771: 4, H0144: 4, L0439: 4, L0731: 4, S0444: 3, L0717: 3, H0328: 3, L0662: 3, L0655: 3, S0330: 3, H0521: 3, L0748: 3, L0759: 3, H0556: 2, S0356: 2, S0354: 2, H0676: 2, S0408: 2, H0013: 2, H0575: 2, H0050: 2, H0266: 2, S0214: 2, H0428: 2, H0031: 2, H0674: 2, T0067: 2, L0764: 2, L0806: 2, L0805: 2, L0809: 2, L0666: 2, L0664: 2, L0665: 2, H0547: 2, H0435: 2, H0659: 2,	10p11.2-p12	600964, 602026	

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HE6CR19	1046177	721	870 - 508	2896	Val-3 to Gly-14, Ser-65 to Asn-70.	S0422: 1, S0426: 1, H0529: 1, L0762: 1, L0769: 1, L0796: 1, L0761: 1, L0667: 1, L0772: 1, L0641: 1, L0642: 1, L0643: 1, L0773: 1, L0804: 1, L0775: 1, L0653: 1, L0659: 1, L0783: 1, L0790: 1, T0068: 1, H0519: 1, H0658: 1, H0696: 1, S0206: 1, L0747: 1, L0749: 1, L0755: 1, L0758: 1, H0445: 1, S0436: 1, L0592: 1, H0668: 1, S0026: 1, H0653: 1, H0667: 1, H0136: 1, H0542: 1, S0424: 1 and S0446: 1.	2p22-p21	120435, 120435, 126600, 135300, 136435, 152790, 152790, 157170, 182601, 278300,
						AR089: 30, AR060: 18, AR039: 17, AR033: 16, AR096: 16, AR104: 13, AR055: 12, AR052: 12, AR053: 8, AR061: 8 L0731: 13, L0748: 11, L0747: 10, L0740: 6, L0763: 5, L0750: 5, L0770: 4, L0766: 4,		

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HE9EJ82	1046856	722	3 - 173	2897	Glu-12 to Phe-17, Ser-44 to Asn-57.	H0659: 1, S0330: 1, S0380: 1, L0602: 1, H0710: 1, S0027: 1, L0753: 1, L0757: 1, L0759: 1, L0480: 1, H0665: 1, S0276: 1, H0422: 1 and S0384: 1.  L0747: 7, H0144: 6, L0748: 6, L0758: 6, L0666: 5, L0750: 5, L0755: 5, S0360: 4, L0646: 4, L0375: 4, L0776: 4, S0358: 3, H0013: 3, H0024: 3, H0087: 3, L0761: 3, L0764: 3, L0775: 3, L0513: 3, L0809: 3, L0532: 3, L0565: 3, L0751: 3, L0752: 3, L0731: 3, L0588: 3, H0170: 2, T0049: 2, S0116: 2, H0255: 2, S0420: 2, S0280: 2, L0471: 2, H0620: 2, H0083: 2, L0483: 2, H0617: 2, L0769: 2, L0637: 2, L0643: 2, L0662: 2, L0497: 2, L0774: 2, L0655: 2, L0657: 2, L0783: 2,	1q21-q23	104770, 107300, 107670, 110700, 131210, 134638, 135940, 136132, 145001, 146740, 146740, 146740, 146790, 152445, 152445, 159001, 173610, 174000, 176310, 179755, 182860, 182860, 182860,
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HRADC23	1046980	723	49 - 339	2898			S0250: 2 and H0555: 1.			106165, 117700, 117700, 150210, 169600, 180380, 180380, 180380, 190000, 203500, 232050,
HODHS68	1047137	724	516 - 1220	2899	Thr-26 to Ala-44, Pro-55 to His-71, Ser-76 to Cys-83, Asn-92 to Lys-104, Pro-149 to Tyr-158, Ser-208 to Asp-214, Glu-228 to Tyr-234.		L0748: 40, L0740: 39, L0754: 23, H0556: 19, H0620: 13, L0755: 12, L0731: 12, L0741: 11, S0002: 10, L0766: 10, L0439: 10, H0265: 9, H0013: 9, H0521: 9, L0747: 9, L0758: 8, H0599: 7, L0794: 7, L0751: 7, L0779: 7, L0777: 7, L0752: 7,	3q21		

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HOPKT59	1047169	725	275 - 814.	2900	Gln-1 to Gln-11, Ala-24 to Asp-33, Pro-81 to Arg-91, Lys-99 to Lys-115, Trp-126 to Arg-142, Asp-162 to Glu-180.	L0588: 1, L0599: 1, L0362: 1, L0361: 1, S0276: 1, H0542: 1, S0384: 1 and H0293: 1.  H0556: 15, H0090: 12, S0152: 11, H0543: 10, H0553: 9, S0026: 9, H0341: 8, S0358: 8, H0046: 8, S0440: 8, L0659: 8, L0665: 8, L0595: 8, H0657: 7, H0266: 7, H0591: 7, H0529: 7, L0666: 7, L0663: 7, H0144: 7, H0547: 7, H0521: 7, L0756: 7, L0731: 7, S0360: 6, S0476: 6, S0003: 6, H0615: 6, H0644: 6, H0040: 6, H0413: 6, L0662: 6, L0664: 6, L0754: 6, L0752: 6, L0599: 6, L0608: 6, H0624: 5, S0408: 5, T0109: 5, H0013: 5, H0551: 5, H0560: 5, L0803: 5, L0655: 5, H0519: 5, S0126: 5, H0684: 5, L0439: 5, L0759: 5, S0436: 5, H0542: 5,		
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HMCFFK45	1047212	726	121 - 786	2901	Pro-15 to Len-21,	S0142: 1, S0422: 1, L0598: 1, L0631: 1, L0638: 1, L0641: 1, L0764: 1, L0773: 1, L0648: 1, L0363: 1, L0767: 1, L0768: 1, L5574: 1, L0381: 1, L0552: 1, L0774: 1, L0375: 1, L0607: 1, L0634: 1, L0782: 1, S0428: 1, S0374: 1, H0593: 1, H0689: 1, H0435: 1, H0660: 1, H0666: 1, H0648: 1, H0672: 1, S0380: 1, H0709: 1, S0013: 1, H0696: 1, H0704: 1, S0174: 1, S0406: 1, H0436: 1, H0576: 1, H0478: 1, S0432: 1, S3012: 1, S0028: 1, L0777: 1, L0755: 1, L0480: 1, L0597: 1, L0589: 1, L0591: 1, L0592: 1, L0594: 1, L0362: 1, L0601: 1, H0668: 1, H0667: 1, H0136: 1, S0194: 1 and H0008: 1.	L0747: 10, L0758: 6,
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HP/IAN63	1047381	727	2 - 595	2902	Lys-1 to Leu-6,	L0752: 5, L0774: 4, L0663: 4, L0748: 4, L0751: 4, L0775: 3, L0757: 3, L0759: 3, S0360: 2, S0007: 2, H0687: 2, L0769: 2, L0761: 2, L0766: 2, L0806: 2, L0750: 2, L0777: 2, L0753: 2, L0755: 2, H0254: 1, S0420: 1, S0356: 1, H0392: 1, H0587: 1, L0021: 1, H0046: 1, H0178: 1, H0620: 1, S0050: 1, H0617: 1, H0673: 1, H0616: 1, S0144: 1, S0344: 1, L0637: 1, L0646: 1, L0374: 1, L0771: 1, L0767: 1, L0661: 1, L0629: 1, L0659: 1, L0783: 1, L0367: 1, L0368: 1, L0666: 1, L0664: 1, L0665: 1, H0670: 1, H0672: 1, S0404: 1, H0436: 1, L0740: 1, L0749: 1, L0603: 1, H0422: 1, S0424: 1 and H0677: 1.	L0777: 13, L0794: 8,
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					<p>Ser-36 to Ser-41, Arg-54 to His-63.</p>	<p>L0438: 7, L0748: 7, L0659: 6, L0759: 6, L0591: 6, H0617: 5, L0439: 5, L0779: 5, L0758: 5, L0596: 5, H0556: 4, H0618: 4, H0052: 4, L0770: 4, L0803: 4, L0789: 4, S0418: 3, H0013: 3, H0628: 3, H0494: 3, L0598: 3, L0769: 3, L0804: 3, L0509: 3, L0665: 3, H0659: 3, H0624: 2, H0265: 2, H0717: 2, S0442: 2, S0354: 2, S0358: 2, L0149: 2, S0046: 2, S0278: 2, H0559: 2, S0010: 2, S0049: 2, L0041: 2, H0050: 2, H0083: 2, H0328: 2, UNKWN: 2, H0529: 2, L0662: 2, L0776: 2, L0655: 2, H0670: 2, H0660: 2, S0406: 2, L0747: 2, L0749: 2, L0752: 2, L0731: 2, S0436: 2, L0594: 2, H0542: 2, H0170: 1, H0171: 1, H0657: 1,</p>		
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						L0493: 1, L0783: 1, L0383: 1, L5622: 1, L0368: 1, L0787: 1, L0666: 1, L0663: 1, H0144: 1, S0374: 1, L0565: 1, H0520: 1, H0547: 1, H0658: 1, H0666: 1, H0672: 1, H0651: 1, S0380: 1, L0741: 1, L0754: 1, L0750: 1, L0756: 1, S0031: 1, L0589: 1, L0590: 1, L0485: 1, L0608: 1, L0604: 1, L0593: 1, H0506: 1 and H0352: 1.		
HNSME49	1047403	728	1295 - 558	2903	Glu-16 to Gly-28, Glu-73 to Glu-78, Asp-94 to Ser-103, Lys-124 to Asp-129, Gln-149 to Arg-155, Ala-190 to Ser-233, Val-240 to Pro-246.	L0794: 6, H0685: 2, S0356: 2, H0090: 2, H0494: 2, L0766: 2, L0803: 2, L0654: 2, L0665: 2, H0435: 2, L0362: 2, H0556: 1, H0384: 1, H0484: 1, S0418: 1, H0497: 1, H0013: 1, S0010: 1, S0346: 1, S0049: 1, H0545: 1, H0375: 1, H0674: 1, L0455: 1, H0413: 1, L0639: 1, L0800: 1, L0376: 1,		



									L0378: 1, L0805: 1, L0657: 1, L0659: 1, L0783: 1, L0809: 1, L0789: 1, L0663: 1, L0664: 1, S0374: 1, H0520: 1, S0126: 1, H0666: 1, H0539: 1, S0152: 1, S0037: 1, L0756: 1, L0779: 1, L0777: 1, L0755: 1, S0436: 1, L0592: 1 and H0506: 1.		
HWEAC64	1047473	729	155 - 721	2904	Glu-17 to Val-22, Val-29 to Asn-38, Gly-60 to Val-67, Gln-84 to Glu-93, Lys-106 to Leu-115, Gln-118 to Gln-123, Lys-152 to Val-159.				AR104: 1, AR033: 1, AR089: 1, AR053: 0, AR096: 0, AR061: 0, AR039: 0, AR052: 0, AR060: 0, AR055: 0 H0694: 29, H0703: 13, H0683: 10, H0717: 7, H0713: 6, H0542: 6, H0687: 4, H0656: 3, H0685: 2, H0716: 2, H0688: 2, H0695: 2, S0428: 2, H0689: 2, H0684: 2, H0521: 2, H0580: 1, H0601: 1, H0592: 1, H0708: 1, S0150: 1, H0699: 1, H0519: 1, H0709: 1, H0522: 1, H0555: 1,		

HOCQ151	1047483	730	3 - 1016	2905	Gln-15 to Phe-20, Ser-49 to Tyr-54, Glu-111 to Glu-121, Arg-185 to Asp-190, Phe-206 to Asp-212, Glu-309 to Pro-314.	S0028: 1, H0707: 1 and H0543: 1.  L0794: 8, H0556: 4, H0046: 4, L0809: 3, L0748: 3, H0341: 2, S0356: 2, S0046: 2, H0100: 2, L0769: 2, L0659: 2, S0328: 2, L0742: 2, H0422: 2, H0265: 1, T0002: 1, S0418: 1, S0420: 1, S0354: 1, S0045: 1, L0717: 1, H0549: 1, S0222: 1, H0586: 1, H0156: 1, T0110: 1, H0150: 1, S0051: 1, H0594: 1, H0266: 1, S0250: 1, H0604: 1, S0364: 1, H0634: 1, H0412: 1, H0494: 1, H0561: 1, H0695: 1, H0529: 1, L0761: 1, L0667: 1, L0772: 1, L0643: 1, L0764: 1, L0771: 1, L0768: 1, L0766: 1, L0803: 1, L0629: 1, L0368: 1, L0788: 1, H0690: 1, H0682: 1, H0660: 1, S0152: 1, S0404: 1,		
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HOPKE15	1047634	731	3 - 434	2906	Met-18 to Tyr-45, Arg-56 to Thr-65, Gln-89 to Glu-107, Pro-109 to Ala-132.	L0747: 1, L0755: 1, H0445: 1 and H0542: 1. H0046: 9, L0766: 8, L0731: 4, S0360: 3, S0408: 3, H0529: 3, L0769: 3, L0608: 3, H0543: 3, H0656: 2, H0341: 2, S0046: 2, S0010: 2, H0318: 2, H0616: 2, S0150: 2, S0002: 2, L0803: 2, L0659: 2, S0374: 2, H0684: 2, S0328: 2, L0750: 2, L0752: 2, L0759: 2, H0170: 1, S0134: 1, H0657: 1, H0637: 1, H0580: 1, H0486: 1, T0040: 1, T0109: 1, L0021: 1, H0575: 1, H0581: 1, H0052: 1, H0266: 1, H0188: 1, S0214: 1, H0328: 1, H0615: 1, H0428: 1, H0039: 1, H0553: 1, H0598: 1, H0163: 1, H0591: 1, H0038: 1, H0040: 1, T0067: 1, H0413: 1, S0464: 1, S0440: 1, L0598: 1, L0772: 1,		
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						L0800: 1, L0764: 1, L0773: 1, L0648: 1, L0768: 1, L0774: 1, L0775: 1, L0382: 1, L0792: 1, L0666: 1, H0520: 1, S0126: 1, H0682: 1, H0648: 1, H0539: 1, S0378: 1, S0380: 1, S0152: 1, H0521: 1, H0696: 1, H0214: 1, S0406: 1, S0027: 1, L0751: 1, L0777: 1, L0755: 1, L0758: 1, S0031: 1, L0480: 1, L0596: 1, L0592: 1, H0653: 1, H0667: 1, S0192: 1, H0542: 1 and H0422: 1.			
HMAEL73	1047646	732	748 - 2463	2907	Pro-41 to Gln-47, Thr-169 to Glu-174, Gly-252 to Glu-259, Pro-343 to Ser-348, Asn-379 to Ala-384, His-425 to Glu-432, Asn-505 to Asn- 511, Arg-516 to Phe-522.	L0758: 6, L0731: 4, L0747: 3, S0342: 2, L0769: 2, L0768: 2, L0749: 2, L0615: 1, H0686: 1, H0125: 1, S0418: 1, S0354: 1, S0358: 1, S0360: 1, S0222: 1, H0613: 1, H0004: 1, H0510: 1, S6028: 1, H0615: 1, H0039: 1, H0494: 1, S0144: 1, L0762: 1,			

HNOKE42	1047663	733	2 - 445	2908	Arg-1 to Tyr-7, Arg-17 to Arg-23, Glu-40 to Phe-45, Thr-64 to Tyr-71, Arg-117 to Glu-127, Arg-141 to Ser-148.	L0388: 1, L0775: 1, L0789: 1, H0689: 1, H0435: 1, H0648: 1, S0152: 1, L0744: 1, L0745: 1, L0755: 1 and H0423: 1.  H0551: 4, H0494: 4, H0561: 3, H0529: 3, H0521: 3, H0486: 2, L0471: 2, H0373: 2, H0510: 2, H0687: 2, H0553: 2, H0708: 2, H0560: 2, H0509: 2, L0794: 2, L0774: 2, H0547: 2, H0519: 2, H0539: 2, L0439: 2, L0754: 2, L0777: 2, H0685: 1, S0282: 1, S0418: 1, H0637: 1, H0485: 1, H0156: 1, H0530: 1, T0010: 1, S0628: 1, T0023: 1, H0212: 1, T0042: 1, L0763: 1, L0637: 1, L0768: 1, L0805: 1, L0530: 1, L0787: 1, S0148: 1, H0435: 1, H0670: 1, H0660: 1, H0710: 1, H0518: 1, H0522: 1, H0704: 1,	
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							S0176: 1, L0748: 1, L0749: 1, L0731: 1 and L0758: 1.			
HOFAE31	1047670	734	2 - 220	2909			Glu-1 to Leu-8, Arg-38 to Cys-49.			
HCLCX62	1047716	735	129 - 437	2910			Ala-1 to Leu-7, Ser-18 to Lys-23.			
							S0136: 25, L0665: 4, S0001: 1, H0662: 1, H0632: 1, H0594: 1, H0188: 1, H0598: 1, H0379: 1, S0294: 1, L0764: 1, L0521: 1, L0803: 1, L0805: 1, L0493: 1, L0514: 1, L0515: 1, L0659: 1, H0689: 1, H0683: 1, H0670: 1, H0672: 1, S0328: 1, H0539: 1, H0478: 1, L0777: 1, L0731: 1 and L0599: 1.			
HNOAC93	1047820	736	826 - 554	2911			Pro-12 to Pro-20, Leu-24 to Ser-31, Pro-34 to Pro-82, Arg-84 to Pro-91.		16p13.3	141750, 141800, 141800, 141800, 141800, 141850, 141850, 141850, 141850, 141850, 156850,
							AR053: 18, AR089: 16, AR096: 15, AR033: 14, AR039: 12, AR060: 11, AR104: 11, AR055: 10, AR061: 6 H0251: 6, H0412: 2, H0295: 1, S0114: 1, H0657: 1, H0255: 1, H0663: 1, H0619: 1, S0222: 1, H0392: 1, H0333: 1, H0486: 1,			

HMEJA45	1047848	737	1 - 399	2912	Phe-4 to Arg-11, Ala-16 to Ser-22, Cys-31 to Cys-39.	H0635: 1, H0318: 1, H0050: 1, H0051: 1, S0388: 1, S0051: 1, H0239: 1, H0688: 1, H0644: 1, H0181: 1, H0617: 1, H0606: 1, S0438: 1, L0769: 1, L0761: 1, L0803: 1, H0547: 1, S0126: 1, H0658: 1, H0672: 1, H0651: 1, S0404: 1, S0406: 1, H0436: 1, L0748: 1, L0751: 1 and S0276: 1.	186580, 191092, 600140, 600273, 601313, 601785
						AR060: 5, AR061: 3, AR104: 3, AR089: 3, AR096: 2, AR055: 2 S0206: 5, H0413: 3, S0028: 3, H0170: 2, S0212: 2, H0546: 2, H0266: 2, H0171: 1, S0040: 1, H0580: 1, H0208: 1, H0411: 1, H0437: 1, H0453: 1, H0427: 1, H0051: 1, S0051: 1, H0355: 1, S0003: 1, H0031: 1, H0412: 1, S0188: 1, S0390: 1, S3014: 1, S0027: 1 and S0031: 1.	

HLDAS11	1047937	738	224 - 958	2913	Asn-33 to Glu-41, Ala-58 to Ser-69, Ser-77 to Pro-84, Pro-97 to Pro-102, Ile-121 to Gln-128.	H0693: 636, H0637: 29, H0551: 16, L0748: 11, L0777: 7, H0069: 5, L0666: 4, L0157: 3, H0641: 3, L0766: 3, L0665: 3, L0758: 3, H0510: 2, H0615: 2, H0509: 2, L0663: 2, H0521: 2, L0751: 2, L0755: 2, H0542: 2, H0650: 1, H0657: 1, S0356: 1, S0376: 1, S0360: 1, H0431: 1, H0013: 1, H0618: 1, S0010: 1, H0581: 1, T0001: 1, H0052: 1, H0251: 1, H0596: 1, H0373: 1, H0083: 1, H0271: 1, S0250: 1, S0003: 1, S0214: 1, H0622: 1, H0553: 1, H0674: 1, H0038: 1, H0040: 1, H0272: 1, H0059: 1, T0041: 1, H0646: 1, L0598: 1, L0662: 1, L0768: 1, L0649: 1, L0774: 1, L0805: 1, L0776: 1, L0657: 1, L0517: 1, L0382: 1, L0791: 1,		
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HWMJB31	1048009	739	202 - 732	2914	Ile-1 to Thr-7, Glu-16 to Glu-33, Leu-37 to Ala-46, Leu-69 to Glu-80, Tyr-89 to Gln-111, Ser-121 to Cys-128, Pro-135 to Glu-156, Glu-162 to Thr-177.	H0144: 1, S0126: 1, H0690: 1, H0658: 1, H0648: 1, S0152: 1, S0146: 1, L0743: 1, L0439: 1, L0754: 1, L0749: 1, S0260: 1 and L0366: 1.  S0358: 1			
HAZAA31	1048188	740	1480 - 185	2915		L0593: 16, L0591: 12, H0543: 9, L0667: 8, L0751: 8, H0581: 7, H0457: 7, H0617: 7, L0659: 7, S0418: 6, S0046: 6, H0494: 6, S0206: 6, S0116: 5, H0341: 5, H0402: 5, S0222: 5, H0271: 5, L0766: 5, H0521: 5, S0027: 5, L0740: 5, L0749: 5, L0595: 5, S0360: 4, H0486: 4, S0280: 4, H0024: 4, H0551: 4, L0372: 4,	3p14.3		150250, 164500, 277730, 600971, 601226

				L0666: 4, H0519: 4, H0542: 4, H0656: 3, S0420: 3, S0356: 3, S0045: 3, H0052: 3, H0545: 3, H0050: 3, H0620: 3, S0051: 3, H0553: 3, H0135: 3, T0042: 3, L0475: 3, S0344: 3, L0769: 3, L0654: 3, L0663: 3, H0520: 3, S3014: 3, L0439: 3, L0777: 3, S0192: 3, S0424: 3, H0265: 2, H0556: 2, S0040: 2, H0657: 2, H0484: 2, S0376: 2, H0580: 2, S0007: 2, H0333: 2, H0575: 2, T0048: 2, H0421: 2, S0049: 2, H0046: 2, L0041: 2, H0266: 2, H0615: 2, L0483: 2, H0087: 2, H0413: 2, H0059: 2, H0561: 2, H0509: 2, L0771: 2, L0649: 2, L0775: 2, L0375: 2, L0809: 2, L0665: 2, H0144: 2, L0565: 2, L0438: 2, H0658: 2, H0555: 2,		
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S0037: 2, L0741: 2, L0748: 2, L0754: 2, L0745: 2, L0757: 2, L0758: 2, H0445: 2, L0596: 2, L0599: 2, L0601: 2, T0002: 1, H0686: 1, S0402: 1, H0294: 1, T0049: 1, S0212: 1, S0001: 1, H0483: 1, H0669: 1, H0661: 1, H0663: 1, H0662: 1, H0306: 1, S0442: 1, S0358: 1, H0637: 1, S0140: 1, H0619: 1, H0393: 1, L0717: 1, S0278: 1, H0611: 1, H0610: 1, H0357: 1, H0613: 1, H0592: 1, H0497: 1, H0559: 1, H0256: 1, H0013: 1, H0427: 1, S0010: 1, S0346: 1, S0182: 1, H0318: 1, S0474: 1, H0172: 1, H0123: 1, L0471: 1, S0388: 1, T0010: 1, H0179: 1, H0687: 1, H0288: 1, H0284: 1, H0252: 1, H0428: 1, H0628: 1, H0181: 1,
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HOCMC83	1048300	741	56 - 1465	2916	Gln-116 to Trp-124,	H0606: 1, L0055: 1, H0124: 1, H0090: 1, H0040: 1, T0067: 1, H0412: 1, H0100: 1, H0560: 1, H0130: 1, H0647: 1, H0646: 1, S0142: 1, S0210: 1, S0002: 1, H0529: 1, L0535: 1, L0770: 1, L0638: 1, L0796: 1, L0637: 1, L0643: 1, L0374: 1, L0764: 1, L0773: 1, L0662: 1, L0768: 1, L0774: 1, L0378: 1, L0658: 1, L0383: 1, L0382: 1, L0791: 1, L0664: 1, S0126: 1, H0689: 1, H0690: 1, H0682: 1, H0435: 1, H0670: 1, H0660: 1, H0666: 1, L0355: 1, S0378: 1, L0602: 1, H0134: 1, H0436: 1, L0750: 1, L0755: 1, S0031: 1, S0436: 1, L0608: 1, S0026: 1, H0653: 1, H0665: 1, H0667: 1, H0217: 1 and H0352: 1.		
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HCFCs40	1048427	742	2 - 1330	2917	Leu-21 to Gly-27, Pro-73 to Leu-83.	Glu-154 to Glu-161, Glu-270 to Asn-278, Glu-360 to Trp-371, Asp-440 to Asp-445, Ser-450 to Leu-456.	L0758: 5, L0766: 4, H0620: 3, H0038: 3, L0794: 3, S0358: 2, H0687: 2, H0135: 2, L0508: 2, L0809: 2, L0787: 2, L0665: 2, H0520: 2, L0439: 2, H0650: 1, H0657: 1, S0222: 1, H0574: 1, H0318: 1, H0581: 1, S0049: 1, H0545: 1, H0566: 1, H0622: 1, H0033: 1, H0181: 1, H0617: 1, H0165: 1, H0264: 1, H0059: 1, L0564: 1, H0561: 1, S0150: 1, H0647: 1, L0769: 1, L0644: 1, L0768: 1, L0774: 1, L0375: 1, L0806: 1, L0509: 1, L0514: 1, L0510: 1, L0789: 1, L0438: 1, H0435: 1, H0660: 1, H0648: 1, H0696: 1, H0436: 1, H0627: 1 and L0731: 1.	3p21.3	116806, 120120, 120120, 120120,
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AR052: 62, AR104: 48, AR096: 33, AR039: 25	S0474: 21, H0683: 7, L0748: 7, H0251: 6, L0777: 5, S0422: 4, L0764: 4, L0766: 4, L0740: 4, L0754: 4, S0418: 3, H0046: 3, H0553: 3, H0521: 3, L0779: 3, L0752: 3, L0731: 3, L0757: 3, H0422: 3, H0713: 2, H0717: 2, H0733: 2, S0476: 2, H0441: 2, H0575: 2, H0428: 2, H0494: 2, L0659: 2, L0666: 2, H0547: 2, H0519: 2, L0439: 2, L0745: 2, L0749: 2, L0756: 2, L0758: 2, L0485: 2, S0026: 2, S0384: 2, H0716: 1, S0212: 1, H0661: 1, S0356: 1, S0444: 1, S0045: 1, S0046: 1, S0132: 1, H0645: 1, H0406: 1, S6022: 1, H0431: 1, H0587: 1, H0486: 1, T0040: 1,	120436, 120436, 120436, 138320, 168468, 182280, 600163
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HVCAA65	1048595	743	1042 - 212	2918	Trp-1 to Gly-10, Gly-22 to Gly-29, Leu-82 to Val-88, Ala-116 to His-123.	H0013: 1, H0069: 1, H0156: 1, H0098: 1, H0581: 1, H0150: 1, H0024: 1, H0083: 1, S0025: 1, H0355: 1, H0328: 1, H0031: 1, H0124: 1, T0067: 1, H0413: 1, H0623: 1, H0560: 1, L0769: 1, L0667: 1, L0372: 1, L0767: 1, L0803: 1, L0804: 1, L0774: 1, L0775: 1, L0375: 1, L0784: 1, L0655: 1, L0657: 1, L0783: 1, L0647: 1, L5622: 1, L5623: 1, L0664: 1, H0697: 1, S0374: 1, H0724: 1, H0520: 1, H0435: 1, H0710: 1, H0518: 1, S0152: 1, L0751: 1, L0759: 1, S0031: 1, H0445: 1, S0434: 1, S0436: 1, S0192: 1, S0424: 1 and L0600: 1.		
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Lys-144 to Phe-156, Phe-167 to Thr-181, Glu-202 to Asp-207, Glu-262 to Ser-277.	L0759: 5, L0588: 5, H0542: 5, S0360: 4, S0045: 4, H0486: 4, H0012: 4, S0372: 4, S0144: 4, L0755: 4, L0731: 4, L0758: 4, L0596: 4, S0114: 3, H0657: 3, S0132: 3, H0640: 3, H0545: 3, H0266: 3, H0413: 3, H0494: 3, L0598: 3, H0529: 3, L0521: 3, L0364: 3, L0657: 3, L0783: 3, L0809: 3, L0666: 3, L0665: 3, H0547: 3, H0519: 3, S0126: 3, H0659: 3, H0670: 3, L0777: 3, S0436: 3, L0595: 3, H0395: 2, H0265: 2, T0049: 2, H0484: 2, H0402: 2, H0125: 2, S0418: 2, S0408: 2, S0410: 2, H0580: 2, T0109: 2, H0575: 2, H0581: 2, H0546: 2, H0373: 2, H0510: 2, H0708: 2, H0412: 2, H0396: 2, L0763: 2, L0769: 2, L0774: 2,				
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	L0805: 2, L0653: 2, L0776: 2, L0655: 2, L0513: 2, L0656: 2, L0558: 2, L0517: 2, H0666: 2, H0672: 2, S0328: 2, S0044: 2, S0406: 2, L0751: 2, L0747: 2, L0757: 2, L0597: 2, L0581: 2, L0599: 2, L0604: 2, S0026: 2, H0653: 2, H0422: 2, H0506: 2, H0556: 1, T0002: 1, H0686: 1, H0295: 1, H0583: 1, H0650: 1, S0298: 1, H0483: 1, H0305: 1, S0420: 1, S0356: 1, H0675: 1, S0046: 1, S6022: 1, H0432: 1, H0392: 1, H0586: 1, H0497: 1, H0333: 1, H0331: 1, H0250: 1, S0280: 1, L0021: 1, H0599: 1, H0042: 1, T0082: 1, S0010: 1, T0048: 1, H0052: 1, H0597: 1, L0738: 1, H0178: 1, H0123: 1, H0081: 1, L0471: 1, H0620: 1,	
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HSPSI76	1048635	744	85 - 1578	2919	Phe-1 to Pro-12, Asp-182 to Pro-188.	H0071: 1, H0355: 1, H0687: 1, S0022: 1, H0039: 1, T0006: 1, H0031: 1, H0628: 1, H0135: 1, H0038: 1, H0087: 1, H0264: 1, T0042: 1, S0016: 1, H0560: 1, H0509: 1, H0633: 1, H0649: 1, S0142: 1, S0344: 1, S0208: 1, S0422: 1, L0520: 1, L0762: 1, L3904: 1, L0667: 1, L0771: 1, L0768: 1, L0381: 1, L0784: 1, L0652: 1, L0559: 1, L0636: 1, L0540: 1, L0518: 1, L0384: 1, S0374: 1, H0723: 1, H0690: 1, H0660: 1, H0648: 1, S0380: 1, S0152: 1, H0521: 1, H0522: 1, H0555: 1, S0392: 1, S0027: 1, S0028: 1, S0206: 1, L0743: 1, L0779: 1, L0780: 1, L0753: 1, H0707: 1 and H0712: 1.	S0250: 4, H0551: 4, S0360: 3, H0013: 3,	5q31	121050, 131400,
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					Arg-215 to Tyr-224, Gly-240 to Lys-247, Pro-279 to Gly-286, Leu-295 to Glu-308, Pro-326 to Tyr-331, Thr-343 to Arg-349, Tyr-354 to Ala-360, Lys-369 to Asp-375, Ser-426 to Asp-432.	H0295: 2, H0628: 2, L0776: 2, S3014: 2, L0439: 2, S0212: 1, S0418: 1, S0420: 1, H0734: 1, S0046: 1, S0476: 1, H0497: 1, T0040: 1, H0544: 1, H0545: 1, H0024: 1, S0003: 1, H0644: 1, H0038: 1, H0040: 1, H0413: 1, S0294: 1, H0633: 1, S0144: 1, L0372: 1, L0805: 1, L0654: 1, L5623: 1, L4501: 1, H0144: 1, L0438: 1, S0126: 1, H0683: 1, H0672: 1, H0539: 1, H0521: 1, H0631: 1, S0037: 1, S0434: 1, L0588: 1, L0599: 1, L0601: 1 and H0665: 1.	138040, 153455, 159000, 179095, 181460, 192974, 192974, 600807, 601596, 601692, 601692, 601692, 602089, 602121, 602460	
HVVCH35	1048658	745	1107 - 91	2920	Ser-45 to Pro-51.	L0769: 5, L0759: 4, H0402: 3, S0376: 3, H0424: 3, L0749: 3, S0222: 2, L0535: 2, L0774: 2, L0806: 2, L0384: 2, L0666: 2, H0265: 1, S0218: 1, H0484: 1, S0354: 1,	22q13.33	

HOFNI66	1048739	746	3 - 710	2921	Thr-1 to Asp-9, -- Gly-18 to Ser-24, Asn-35 to Arg-42, Trp-49 to Asp-62, Ser-69 to Ala-74, Arg-155 to Trp-167,	S0444: 1, S0360: 1, S0007: 1, H0392: 1, H0559: 1, H0486: 1, T0039: 1, T0060: 1, L0021: 1, H0004: 1, H0581: 1, H0052: 1, H0194: 1, H0204: 1, H0024: 1, H0405: 1, H0617: 1, H0606: 1, H0090: 1, H0272: 1, H0494: 1, S0438: 1, S0422: 1, S0002: 1, L0770: 1, L0772: 1, L0372: 1, L0641: 1, L0645: 1, L0771: 1, L0768: 1, L0794: 1, L0381: 1, L0775: 1, L0789: 1, H0547: 1, H0659: 1, H0658: 1, H0672: 1, H0521: 1, S0406: 1, H0727: 1, L0744: 1, L0779: 1, L0758: 1, H0445: 1, H0423: 1 and H0422: 1.		
						L0740: 10, L0752: 9, L0748: 8, S0422: 6, S0440: 5, L0666: 5, L0754: 5, S0360: 4, H0327: 4, L0771: 4, L0438: 4, S0126: 4,		

Leu-173 to Tyr-180, Arg-190 to Ala-197.	S0406: 4, L0779: 4, L0596: 4, S0444: 3, T0109: 3, H0575: 3, S0003: 3, L0805: 3, L0776: 3, L0809: 3, L0664: 3, L0665: 3, S0328: 3, H0696: 3, L0439: 3, L0755: 3, L0731: 3, H0543: 3, H0657: 2, H0662: 2, S0420: 2, S0356: 2, S0358: 2, S0408: 2, S0007: 2, H0415: 2, S0010: 2, H0046: 2, H0014: 2, H0083: 2, H0032: 2, H0674: 2, H0708: 2, H0090: 2, H0038: 2, H0272: 2, H0429: 2, H0494: 2, S0372: 2, S0438: 2, H0509: 2, L0598: 2, L0766: 2, L0649: 2, L0774: 2, L0775: 2, L0543: 2, L5622: 2, L0663: 2, H0144: 2, S0378: 2, L0602: 2, H0522: 2, S0028: 2, L0758: 2, L0588: 2, L0599: 2, S0026: 2, S0424: 2, H0170: 1,					
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HMSKI90	1048792	747	1432 - 1770	2922				H0560: 1, H0561: 1, S0352: 1, S0382: 1, S0150: 1, S0344: 1, S0210: 1, L0763: 1, L0769: 1, L0638: 1, L0637: 1, L5565: 1, L0772: 1, L0372: 1, L0800: 1, L0648: 1, L0662: 1, L0767: 1, L0768: 1, L0806: 1, L0655: 1, L0629: 1, L0658: 1, L0517: 1, L0526: 1, L0529: 1, L0532: 1, H0698: 1, H0520: 1, H0547: 1, H0519: 1, H0690: 1, H0682: 1, H0659: 1, H0658: 1, H0670: 1, H0539: 1, S0380: 1, S0152: 1, H0521: 1, H0704: 1, H0478: 1, S3014: 1, S0032: 1, L0749: 1, L0750: 1, L0756: 1, L0757: 1, H0445: 1, S0434: 1, L0608: 1, H0668: 1, S0194: 1 and H0423: 1. AR096: 4, AR089: 4, AR060: 2, AR033: 2, AR104: 2, AR061: 1,		
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							AR053: 0, AR055: 0, AR039: 0 H0171: 1, S0444: 1 and S0002: 1.			
HSYBI49	1049151	748	2 - 805	2923			AR089: 15, AR096: 14, AR060: 12, AR039: 10, AR104: 8, AR053: 8, AR055: 4, AR033: 4, AR061: 3, AR052: 2 L0777: 17, H0521: 11, L0747: 6, L0649: 5, H0586: 4, L0664: 4, L0748: 4, L0749: 4, H0661: 3, S0132: 3, H0587: 3, H0509: 3, L0637: 3, L0662: 3, L0806: 3, L0665: 3, L0779: 3, S0358: 2, L0717: 2, T0040: 2, H0014: 2, H0494: 2, S0438: 2, L0451: 2, H0547: 2, H0435: 2, H0658: 2, H0648: 2, H0672: 2, L0602: 2, S0436: 2, H0543: 2, L0448: 1, S0476: 1, H0431: 1, H0592: 1, T0114: 1, L0021: 1, T0010: 1, H0188: 1,			



HTXSN37	1049372	749	1061 - 1864	2924	Thr-34 to Glu-47, Pro-82 to Ser-104, His-120 to Asn-126, His-129 to Pro-152, Cys-214 to Lys-220, Lys-261 to Ser-268.	T0023: 1, L0483: 1, H0551: 1, S0352: 1, H0633: 1, L0763: 1, L0761: 1, L0646: 1, L0648: 1, L4500: 1, L5568: 1, L0774: 1, L0775: 1, L0525: 1, L0653: 1, L0657: 1, H0690: 1, H0684: 1, S0378: 1, H0479: 1, L0754: 1, L0755: 1, L0759: 1, L0362: 1 and S0242: 1.		
						S0422: 31, L0748: 16, L0803: 12, H0580: 11, H0615: 10, L0754: 9, L0596: 9, S0360: 8, L0805: 8, L0779: 8, L0663: 7, L0745: 7, S0358: 6, H0271: 6, L0766: 6, L0809: 6, S0406: 6, L0777: 6, S0007: 5, H0046: 5, H0024: 5, L0770: 5, L0761: 5, L0771: 5, L0662: 5, L0657: 5, L0666: 5, H0710: 5, H0436: 5, L0750: 5, H0542: 5, S0444: 4, S0476: 4, H0547: 4,		

S0126: 4, H0648: 4, S0404: 4, S0434: 4, L0599: 4, H0543: 4, H0624: 3, H0224: 3, S0114: 3, S0116: 3, S0442: 3, H0549: 3, H0618: 3, H0620: 3, H0616: 3, H0264: 3, H0494: 3, S0002: 3, L0646: 3, L0764: 3, L0794: 3, L0804: 3, L0776: 3, L0783: 3, L0792: 3, S0374: 3, H0659: 3, H0521: 3, L0747: 3, L0756: 3, L0755: 3, L0758: 3, H0506: 3, H0341: 2, H0619: 2, H0645: 2, H0574: 2, T0060: 2, H0013: 2, H0156: 2, H0599: 2, S0474: 2, H0052: 2, H0251: 2, H0009: 2, S6028: 2, H0028: 2, H0428: 2, H0622: 2, H0553: 2, H0135: 2, H0090: 2, H0038: 2, H0634: 2, L0065: 2, H0509: 2, S0344: 2, S0426: 2, L0769: 2, L0637: 2,
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HMUBT31	1049466	750	2 - 1429	2925	Lys-45 to Asp-54, Thr-56 to Leu-63, Gln-227 to Thr-241, Glu-287 to Val-292, Gln-331 to Gly-337, Glu-402 to Asp-411, Glu-436 to Cys-441, Glu-454 to Glu-461.	H0684: 1, S0330: 1, H0518: 1, H0522: 1, H0478: 1, S0027: 1, S0028: 1, L0743: 1, L0744: 1, L0439: 1, L0740: 1, L0749: 1, L0786: 1, L0731: 1, L0757: 1, S0260: 1, H0444: 1, H0595: 1, L0584: 1, L0605: 1, L0581: 1, L0362: 1, H0653: 1, H0136: 1, S0192: 1, H0422: 1, S0424: 1, H0008: 1 and H0352: 1.		
						L0605: 28, L0754: 9, S0003: 6, L0803: 6, L0777: 5, L0759: 4, L0770: 3, L0663: 3, H0683: 3, L0439: 3, L0756: 3, L0599: 3, S0026: 3, H0171: 2, S0418: 2, H0587: 2, H0050: 2, L0483: 2, H0032: 2, H0591: 2, H0413: 2, L0772: 2, L0768: 2, L0649: 2, L0659: 2, L0666: 2, H0547: 2, H0519: 2, H0670: 2, S0380: 2.		

[illegible]

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HFPDO90	1049644	751	456 - 202	2926	Asp-74 to His-85.		S0134: 1, S0222: 1, L0774: 1, L0776: 1 and L0366: 1.	5q31	121050, 131400, 138040, 153455, 159000, 179095, 181460, 192974, 192974, 600807, 601596, 601692, 601692, 601692, 601692, 602089, 602121, 602460	
HVVCB79	1050102	752	195 - 1205	2927	Glu-29 to Cys-39, Val-46 to Ser-52, Asn-58 to Gly-65, Cys-68 to His-82, Tyr-84 to Gly-94,		L0659: 19, S0476: 18, H0271: 18, S0152: 15, H0521: 12, L0666: 7, S0132: 6, H0494: 5, L0754: 5, L0601: 5,"	10q24	157640, 174900, 180250, 186770, 236730,	

				Leu-122 to Trp-138, S0360: 4, L0771: 4, Ala-158 to Leu-170, L0653: 4, L0751: 4, Gly-175 to Arg-182, H0295: 3, H0486: 3, Tyr-203 to Ser-210, H0635: 3, H0416: 3, Gly-246 to Met-258, H0615: 3, L0662: 3, Arg-288 to Gln-296, S0428: 3, L0748: 3, L0747: 3, L0731: 3, H0661: 2, S0376: 2, H0437: 2, H0587: 2, H0485: 2, T0039: 2, H0318: 2, H0545: 2, H0620: 2, H0266: 2, H0090: 2, H0623: 2, L0763: 2, L0646: 2, L0642: 2, L0774: 2, L0775: 2, L0378: 2, L0806: 2, L0664: 2, S0374: 2, H0519: 2, S0406: 2, L0439: 2, L0779: 2, L0755: 2, L0604: 2, L0698: 2, H0149: 1, H0686: 1, H0713: 1, S0212: 1, H0255: 1, S0408: 1, H0637: 1, S0046: 1, H0411: 1, S0278: 1, H0599: 1, H0251: 1, H0457: 1, H0024: 1, H0014: 1, H0328: 1, H0553: 1, H0644: 1,					271245, 278000, 278000, 600095, 600512, 601107, 601130, 602082
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						H0598: 1, H0634: 1, H0268: 1, H0056: 1, L0564: 1, S0344: 1, S0002: 1, S0426: 1, L0770: 1, L0372: 1, L0641: 1, L0645: 1, L0648: 1, L0767: 1, L0649: 1, L0389: 1, L0388: 1, L0803: 1, L0654: 1, L0793: 1, L0665: 1, S0052: 1, S0053: 1, S0216: 1, H0658: 1, H0672: 1, H0518: 1, H0522: 1, H0696: 1, L0750: 1, L0752: 1, H0445: 1, S0436: 1, L0596: 1, S0458: 1 and H0506: 1.		
HDPGR19	1050167	753	2 - 670	2928	Ala-32 to Arg-48, Cys-138 to Ser-147, Lys-161 to Glu-166, Pro-179 to Asn-189.	AR055: 2, AR033: 1, AR089: 1, AR060: 1, AR096: 1, AR039: 0, AR061: 0, AR052: 0, AR053: 0 H0521: 36, L0754: 20, L0748: 13, L0740: 12, L0439: 9, S0440: 8, H0522: 8, L0777: 8, H0580: 7, H0641: 7, L0659: 7, S0126: 7, S0436: 7, H0638: 6.		

H0616: 6, L0757: 6, L0758: 6, H0486: 5, S0438: 5, S0002: 5, L0775: 5, L0809: 5, S0408: 4, H0574: 4, H0553: 4, S0344: 4, L0805: 4, L0655: 4, L0664: 4, H0518: 4, L0744: 4, L0747: 4, L0749: 4, H0624: 3, S0376: 3, S0360: 3, S0410: 3, H0004: 3, H0581: 3, S0003: 3, S0214: 3, H0428: 3, H0622: 3, H0038: 3, S0142: 3, H0529: 3, L0646: 3, L0771: 3, L0521: 3, L0662: 3, H0689: 3, H0658: 3, S0330: 3, L0779: 3, L0731: 3, L0759: 3, S0342: 2, H0717: 2, S0356: 2, S0444: 2, H0599: 2, H0318: 2, H0457: 2, T0003: 2, H0024: 2, H0057: 2, H0179: 2, H0674: 2, H0591: 2, H0561: 2, L0770: 2, L0769: 2, L0627: 2, L0641: 2,
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	H0046: 1, H0123: 1, H0014: 1, H0373: 1, S0051: 1, H0510: 1, H0266: 1, S0318: 1, S0316: 1, H0328: 1, H0688: 1, H0031: 1, H0032: 1, H0673: 1, H0169: 1, H0598: 1, H0090: 1, T0069: 1, H0100: 1, T0041: 1, T0042: 1, S0370: 1, H0633: 1, H0646: 1, S0426: 1, L0369: 1, L0763: 1, L0638: 1, L0372: 1, L0644: 1, L0764: 1, L0766: 1, L0381: 1, L0774: 1, L0376: 1, L0806: 1, L0652: 1, L0607: 1, L0527: 1, L0515: 1, L0542: 1, L0789: 1, L0663: 1, L0665: 1, S0052: 1, L0352: 1, H0520: 1, H0519: 1, H0690: 1, H0660: 1, S0380: 1, S0350: 1, S0146: 1, S0406: 1, S3014: 1, S0027: 1, L0756: 1, S0031: 1, H0445: 1, S0434: 1,	
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							L0592: 1, S0026: 1, H0667: 1, S0192: 1, S0194: 1, S0196: 1, H0542: 1, H0423: 1, H0422: 1, S0458: 1, H0352: 1 and H0712: 1.		
HVVDX63	1050256	754	2483 - 1299	2929	Ala-1 to Ser-19, Gln-50 to Ala-69, Lys-113 to Lys-120, Thr-132 to Trp-147, Glu-162 to Gly-172, Leu-185 to Ser-219, Thr-226 to Tyr-234, Pro-288 to Pro-304, Glu-312 to Lys-324, Cys-344 to Gly-355.		H0556: 10, L0758: 9, L0777: 7, H0422: 7, H0271: 6, H0265: 5, H0179: 5, H0634: 5, L0747: 5, L0766: 4, L0664: 4, L0751: 4, H0542: 4, H0423: 4, H0657: 3, S0476: 3, H0069: 3, H0641: 3, L0761: 3, H0555: 3, H0436: 3, L0757: 3, H0222: 2, S0132: 2, H0486: 2, H0553: 2, H0551: 2, L0631: 2, L0769: 2, L0667: 2, L0772: 2, L0662: 2, L0378: 2, L0809: 2, S0052: 2, H0658: 2, H0672: 2, S0328: 2, H0518: 2, L0749: 2, L0750: 2, H0445: 2, L0596: 2, L0362: 2, H0653: 2, H0220: 1, H0713: 1, S0218: 1,		

H0663: 1, H0402: 1, S0418: 1, S0442: 1, S0376: 1, S0444: 1, S0046: 1, H0392: 1, N0009: 1, H0042: 1, H0575: 1, S0474: 1, H0581: 1, H0085: 1, H0546: 1, H0545: 1, H0457: 1, H0050: 1, H0014: 1, H0093: 1, H0083: 1, H0060: 1, H0247: 1, H0687: 1, H0622: 1, L0483: 1, S0368: 1, H0032: 1, H0040: 1, H0623: 1, H0561: 1, H0633: 1, H0646: 1, S0142: 1, S0002: 1, L0770: 1, L0646: 1, L0764: 1, L0768: 1, L0364: 1, L0775: 1, L0806: 1, L0653: 1, L0776: 1, L0607: 1, L0657: 1, L0658: 1, L0382: 1, L0789: 1, L0791: 1, L0666: 1, L0665: 1, H0701: 1, H0593: 1, H0435: 1, H0659: 1, H0522: 1, S3014: 1, L0744: 1, L0748: 1,
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HNOJA87	1050282	755	616 - 2415	2930	Ser-35 to Glu-40, Leu-43 to Lys-63, Gln-88 to Tyr-97, Gln-156 to Glu-161, Val-218 to Phe-223, Ser-229 to Cys-237, Phe-323 to Ala-332, Phe-334 to Ser-339, Glu-357 to Gly-362, Ser-382 to Pro-391, Ser-403 to His-411, Asp-414 to Leu-425, Pro-429 to Arg-444, Ser-481 to Asn-486, Asp-495 to Lys-503, Asn-508 to Leu-514, Lys-528 to Ser-544, Asp-565 to Tyr-576, Leu-578 to Gly-584, Lys-591 to Asn-600.	L0731: 1, S0196: 1 and H0506: 1.  L0758: 8, L0439: 7, S0003: 6, L0602: 6, L0665: 5, S0330: 5, H0521: 5, L0755: 5, L0731: 5, L0483: 4, L0598: 4, L0766: 4, L0775: 4, L0666: 4, L0748: 4, H0423: 4, H0170: 3, H0580: 3, H0441: 3, H0687: 3, S0022: 3, L0659: 3, H0144: 3, H0547: 3, L0740: 3, L0751: 3, L0596: 3, H0411: 2, H0250: 2, S0280: 2, H0575: 2, H0051: 2, H0083: 2, H0031: 2, UNKWN: 2, L0763: 2, L0776: 2, L0664: 2, S0148: 2, L0438: 2, H0660: 2, S0328: 2, S0380: 2, L0747: 2, L0777: 2, L0590: 2, L0592: 2, L0581: 2, L0594: 2, L0362: 2, S0194: 2, H0624: 1, T0002: 1, H0140: 1, H0685: 1, S0040: 1,	2q31	100690, 120180, 120180, 120180, 120180, 120180, 120190, 142989, 156232, 178600, 266100, 600258, 600321
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	S0134: 1, H0583: 1, S0116: 1, S0001: 1, H0483: 1, H0664: 1, S0420: 1, S0354: 1, S0358: 1, S0360: 1, H0431: 1, H0600: 1, H0592: 1, H0586: 1, H0587: 1, T0114: 1, H0013: 1, H0427: 1, H0098: 1, H0004: 1, S0010: 1, H0581: 1, H0421: 1, H0596: 1, H0545: 1, H0050: 1, L0471: 1, H0024: 1, H0014: 1, H0373: 1, H0375: 1, H0266: 1, H0428: 1, H0070: 1, H0039: 1, H0644: 1, H0032: 1, H0598: 1, H0591: 1, H0040: 1, H0616: 1, H0551: 1, T0067: 1, H0647: 1, L0770: 1, L0769: 1, L0638: 1, L0646: 1, L0764: 1, L0648: 1, L0521: 1, L0549: 1, L0389: 1, L0806: 1, L0652: 1, L0655: 1, L0607: 1, L0526: 1, L0783: 1, S0053: 1,	
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HTPGI65	1050419	756	56 - 1273	2931	<p>Ser-55 to Thr-60, Glu-97 to Ser-103, Thr-164 to Glu-170, Gly-192 to Gly-197, Leu-204 to Ser-218, Ala-238 to Ser-250, Asp-265 to Tyr-292, Gly-298 to Gly-307, Gly-351 to Met-359, Phe-389 to Glu-400.</p>	<p>T0068: 1, H0684: 1, H0670: 1, S0378: 1, H0518: 1, H0696: 1, S0406: 1, H0436: 1, L0754: 1, L0750: 1, L0753: 1, L0759: 1, H0445: 1, S0434: 1, L0599: 1, L0608: 1, L0366: 1, S0026: 1, H0667: 1, S0242: 1, H0422: 1 and S0424: 1. S0444: 13, L0751: 12, S0358: 11, L0659: 11, S0436: 10, S0442: 8, S0410: 8, S0406: 8, S0434: 8, L0662: 6, H0435: 6, S0440: 5, L0657: 5, S0354: 4, T0023: 4, L0764: 4, L0771: 4, L0666: 4, H0690: 4, L0743: 4, L0754: 4, L0601: 4, H0046: 3, H0615: 3, H0617: 3, H0032: 3, H0647: 3, L0372: 3, L0665: 3, H0593: 3, L0744: 3, L0748: 3, H0663: 2, S0376: 2, S0408: 2, H0036: 2, H0622: 2, L0483: 2,</p>	1q32.2	145260, 600759, 601975
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H0553: 2, L0646: 2, L0649: 2, L0664: 2, S0374: 2, H0520: 2, H0689: 2, H0682: 2, H0660: 2, S0330: 2, H0555: 2, L0750: 2, L0596: 2, S0430: 1, H0483: 1, H0671: 1, H0661: 1, S0360: 1, H0549: 1, H0431: 1, H0574: 1, H0632: 1, H0270: 1, T0040: 1, T0060: 1, H0590: 1, H0085: 1, H0263: 1, L0040: 1, H0597: 1, H0231: 1, H0316: 1, H0040: 1, H0059: 1, H0117: 1, S0448: 1, S0464: 1, S0306: 1, H0509: 1, H0130: 1, L0763: 1, L0627: 1, L0374: 1, L0765: 1, L0648: 1, L0803: 1, L0774: 1, L0775: 1, L0806: 1, L0652: 1, L0653: 1, L0776: 1, L0540: 1, L0518: 1, L0782: 1, L0382: 1, L0809: 1, L0790: 1, H0547: 1, H0658: 1,
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						H0670: 1, H0672: 1, S0328: 1, S0380: 1, S0404: 1, H0478: 1, S0432: 1, L0752: 1, L0591: 1, L0608: 1 and H0506: 1.			
HHFGN14	1050536	757	1791 - 2738	2932	Pro-7 to Ala-17, Pro-28 to Gln-38, Asp-58 to Ser-78, Phe-113 to Asp-120, Tyr-171 to Glu-177, Gln-237 to Gln-246.	S0280: 3, H0581: 3, H0622: 3, H0690: 3, L0751: 3, H0506: 3, S0356: 2, H0670: 2, H0254: 1, S0046: 1, H0411: 1, H0438: 1, H0600: 1, H0632: 1, H0635: 1, H0599: 1, H0009: 1, H0050: 1, H0023: 1, T0010: 1, H0375: 1, H0687: 1, H0039: 1, S0364: 1, H0509: 1, L0527: 1, S0052: 1, H0693: 1, L0438: 1, H0593: 1, H0689: 1, H0660: 1, S0378: 1, H0555: 1, S0392: 1, S0390: 1, S0037: 1 and S0196: 1.	12q13	107777, 123940, 139350, 139350, 148040, 148041, 148043, 148070, 231550, 600194, 600231, 600536, 600808, 600956, 601284, 601769, 601769, 601928, 602116, 602153	
HTAIN76	1050553	758	83 - 1300	2933	Pro-19 to Ala-25, Pro-30 to Gly-50, Arg-66 to Gly-78.	L0740: 12, L0653: 6, L0665: 6, H0150: 5, L0439: 5, H0688: 4, L0771: 4, L0659: 4,			

L0809: 4, L0751: 4, L0747: 4, L0749: 4, L0779: 4, L0601: 4, S0420: 3, H0486: 3, H0620: 3, H0494: 3, L0662: 3, L0757: 3, S0040: 2, H0662: 2, S0007: 2, H0549: 2, S0222: 2, H0009: 2, H0123: 2, H0024: 2, H0606: 2, H0634: 2, H0413: 2, H0100: 2, L0769: 2, L0794: 2, L0649: 2, L0803: 2, L0655: 2, L0382: 2, L0666: 2, L0731: 2, L0758: 2, L0759: 2, L0605: 2, H0170: 1, T0049: 1, H0663: 1, L0005: 1, S0045: 1, S0046: 1, H0619: 1, H0550: 1, S0220: 1, L0468: 1, H0587: 1, H0643: 1, H0574: 1, H0632: 1, H0635: 1, T0048: 1, H0505: 1, H0597: 1, H0546: 1, H0545: 1, H0046: 1, N0007: 1, H0188: 1, H0622: 1, T0023: 1,	
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HL YBO89	1050702	759	3 - 557	2934	Pro-1 to Thr-10, Ser-25 to Ile-46, Glu-76 to Ile-82, Ile-89 to Gly-95, Lys-109 to Glu-118, Asp-127 to Gly-132, Glu-148 to Leu-155, Glu-161 to Glu-172.	AR089: 11, AR104: 9, Xq28 AR060: 6, AR096: 3, AR061: 3, AR055: 2 L0803: 7, H0024: 5, L0805: 5, L0750: 5, S0026: 5, H0208: 3, S0440: 3, L0769: 3, S0126: 3, H0670: 3, S0330: 3, S0152: 3, H0411: 2, S0222: 2, S0010: 2, H0046: 2.	AR089: 11, AR104: 9, Xq28 AR060: 6, AR096: 3, AR061: 3, AR055: 2 L0803: 7, H0024: 5, L0805: 5, L0750: 5, S0026: 5, H0208: 3, S0440: 3, L0769: 3, S0126: 3, H0670: 3, S0330: 3, S0152: 3, H0411: 2, S0222: 2, S0010: 2, H0046: 2.	300031, 300044, 300048, 300049, 300049, 300055, 300100, 300100, 300104, 300126, 301201.
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H0123: 2, L0471: 2, H0428: 2, H0616: 2, H0087: 2, L0763: 2, L0764: 2, L0766: 2, L0375: 2, L0666: 2, H0659: 2, L0740: 2, L0758: 2, L0759: 2, H0445: 2, L0599: 2, H0170: 1, H0686: 1, H0344: 1, L0002: 1, H0657: 1, H0306: 1, S0356: 1, S0358: 1, S0376: 1, T0008: 1, S0132: 1, H0455: 1, L0021: 1, L0022: 1, H0263: 1, H0572: 1, H0050: 1, H0620: 1, H0051: 1, H0083: 1, H0375: 1, S6028: 1, H0687: 1, S0022: 1, H0615: 1, H0688: 1, H0031: 1, H0708: 1, H0068: 1, H0038: 1, H0264: 1, H0272: 1, T0042: 1, H0561: 1, S0144: 1, L0598: 1, H0529: 1, L0631: 1, L0770: 1, L0637: 1, L0800: 1, L0794: 1, L0806: 1, L0382: 1,	301590, 302060, 302060, 302060, 302060, 302960, 303700, 303800, 303900, 304800, 305900, 305900, 305900, 306700, 306995, 308310, 308840, 308840, 308840, 309200, 309548, 309620, 309900, 310300, 310400, 310460, 310460, 311300, 311510, 314300,
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HMEKJ82	1050767	760	1 - 597	2935	Arg-10 to Lys-24, Phe-50 to Arg-57.	L0809: 1, L0787: 1, L0665: 1, H0144: 1, S0374: 1, H0666: 1, S0380: 1, H0696: 1, S3012: 1, S0032: 1, L0747: 1, L0749: 1, L0777: 1, L0752: 1, L0753: 1, L0757: 1, S0434: 1, S0011: 1, S0276: 1 and H0542: 1.			314400
						AR089: 2, AR096: 1, AR104: 1, AR060: 0, AR061: 0, AR055: 0 S0414: 6, L0754: 6, L0803: 4, H0032: 3, L0774: 3, L0665: 3, L0752: 3, S0418: 2, L0005: 2, H0580: 2, H0431: 2, H0553: 2, H0673: 2, S0422: 2, L0598: 2, L0666: 2, L0748: 2, S0436: 2, L0589: 2, L0603: 2, S0001: 1, L0717: 1, H0415: 1, H0013: 1, H0635: 1, S0280: 1, H0581: 1, S0051: 1, H0266: 1, S0214: 1, H0428: 1, H0598: 1, H0616: 1, S0438: 1,			

								S0440: 1, H0641: 1, H0633: 1, H0646: 1, UNKWN: 1, L0646: 1, L0662: 1, L0766: 1, L0659: 1, L0783: 1, L0809: 1, L0790: 1, L0532: 1, H0658: 1, H0521: 1, S0406: 1, L0751: 1, L0779: 1, L0599: 1, S0011: 1, H0423: 1, H0422: 1, S0042: 1 and H0506: 1.			
HOFNX17	1050969	761	47 - 604	2936	Ile-13 to Gly-19, Thr-21 to Gln-28, Lys-38 to Ser-45, Glu-62 to Tyr-68, Val-72 to Gly-77, Pro-87 to Ser-93, Thr-117 to Gln-126, Gln-133 to Leu-139.			H0415: 12, H0414: 2, H0355: 1 and H0517: 1.	9q11-q22	229600, 264300, 600542, 602014, 602088	
HAOSY21	1051095	762	153 - 425	2937	Asn-26 to Gly-31, Cys-44 to Asp-50, Gln-85 to Glu-91.			H0657: 2, H0686: 1, H0341: 1, L0493: 1, H0144: 1, H0689: 1, L0757: 1 and L0596: 1.			
HMWDB39	1051115	763	2 - 598	2938	Ala-1 to Gly-7, --- Ser-20 to Gly-36, Glu-107 to Thr-112, Glu-114 to Pro-119.			S0474: 13, L0758: 13, L0439: 11, L0754: 11, L0752: 10, H0581: 9, L0766: 9, L0740: 9, L0769: 8, H0423: 8, H0547: 7, L0750: 7.			



L0777: 7, H0013: 6, H0445: 6, L0599: 6, L0005: 5, S0358: 5, S0360: 5, S0414: 5, H0575: 5, L0776: 5, S0126: 5, H0648: 5, H0521: 5, H0171: 4, H0583: 4, H0341: 4, S0212: 4, H0580: 4, H0619: 4, H0427: 4, S0010: 4, S0346: 4, H0046: 4, H0457: 4, H0551: 4, L0763: 4, L0794: 4, L0803: 4, L0666: 4, H0522: 4, L0759: 4, H0543: 4, H0663: 3, H0638: 3, S0442: 3, S0007: 3, S0222: 3, H0244: 3, S0003: 3, H0591: 3, H0040: 3, T0042: 3, S0142: 3, H0529: 3, L0770: 3, L0637: 3, L0771: 3, L0662: 3, L0774: 3, L0805: 3, L0655: 3, L0663: 3, L0664: 3, L0665: 3, H0659: 3, H0670: 3, S0330: 3, H0539: 3, S0152: 3, H0626: 3,
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[illegible]

HAOSZ53	1051246	764	2 - 403	2939	Ala-3 to Arg-8, Asp-48 to Gly-64, Asp-101 to Ser-111.	L0764: 1, L0773: 1, L0767: 1, L0387: 1, L0649: 1, L0804: 1, L0606: 1, L0661: 1, L0807: 1, L0527: 1, L0657: 1, L0659: 1, L0526: 1, L0518: 1, L0783: 1, L0809: 1, L0529: 1, L0532: 1, S0428: 1, H0701: 1, S0374: 1, L0438: 1, L0352: 1, H0593: 1, H0690: 1, H0682: 1, H0660: 1, S0328: 1, H0710: 1, H0214: 1, S0037: 1, S3014: 1, L0748: 1, L0751: 1, L0757: 1, S0031: 1, H0444: 1, S0436: 1, L0485: 1, L0608: 1, L0593: 1, L0594: 1, S0026: 1, H0136: 1, S0192: 1 and H0677: 1, L0751: 4, S0358: 3, L0740: 3, S0418: 2, S0376: 2, H0318: 2, H0623: 2, S0210: 2, L0438: 2, L0741: 2, L0439: 2, L0747: 2, H0506: 2, H0171: 1,	17p13	138190, 254210, 271900, 600179, 600977, 601202, 601777
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HSODPI4	1051256	765	130 - 549	2940	Ala-10 to His-29.	H0686: 1, H0656: 1, H0484: 1, S0420: 1, S0356: 1, S6016: 1, H0592: 1, H0333: 1, H0427: 1, S0474: 1, H0546: 1, H0081: 1, H0050: 1, L0163: 1, H0594: 1, H0267: 1, H0124: 1, H0135: 1, H0412: 1, H0056: 1, H0059: 1, H0494: 1, H0509: 1, H0633: 1, L0521: 1, H0547: 1, S0126: 1, S0328: 1, S0330: 1, S0380: 1, H0521: 1, H0522: 1, S3014: 1, S0027: 1, L0748: 1, L0750: 1, L0731: 1, L0596: 1, H0665: 1, S0276: 1 and H0543: 1.	2q23-q31	100690, 120180, 120180, 120180, 120180, 120190, 142989, 156232, 178600,
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								266100, 600258, 600321	
HWLXZ72	1051319	766	2 - 199	2941	Pro-1 to Trp-12.		H0659: 4, L0747: 4, S0474: 3, L0777: 3, S0360: 2, L0653: 2, L0659: 2, L0756: 2, H0686: 1, H0449: 1, H0587: 1, H0413: 1, H0494: 1, S0002: 1, L0770: 1, L0662: 1, L0767: 1, L0803: 1, L0776: 1, L0655: 1, L0665: 1, L0757: 1 and S0194: 1.		
HUSGQ45	1051410	767	3 - 527	2942	Arg-17 to Gln-24, Tyr-39 to Tyr-47, Arg-50 to Leu-57, Lys-59 to Asn-66, Asn-78 to Val-91, Ser-94 to Ser-133, Thr-139 to Lys-175.		L0766: 4, H0090: 3, H0266: 2, H0529: 2, L0803: 2, L0774: 2, L0754: 2, L0747: 2, L0779: 2, L0759: 2, S0114: 1, H0583: 1, H0638: 1, S0356: 1, S0376: 1, H0676: 1, S0410: 1, H0580: 1, H0619: 1, S0222: 1, H0318: 1, H0373: 1, S0003: 1, H0328: 1, H0040: 1, H0616: 1, H0412: 1, L0772: 1, L0800: 1, L0789: 1,		

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	H0355: 1, H0510: 1, H0615: 1, H0428: 1, H0030: 1, H0169: 1, S0364: 1, L0455: 1, H0038: 1, T0067: 1, H0488: 1, H0059: 1, H0494: 1, S0472: 1, H0646: 1, H0652: 1, H0538: 1, S0422: 1, S0002: 1, L0506: 1, L0769: 1, L0764: 1, L0773: 1, L0521: 1, L0649: 1, L0560: 1, L0522: 1, L0774: 1, L0776: 1, L0655: 1, L0606: 1, L0527: 1, L0656: 1, L0558: 1, L0518: 1, L0789: 1, L0664: 1, H0144: 1, H0698: 1, H0702: 1, S0374: 1, T0068: 1, S0148: 1, L0438: 1, H0593: 1, H0660: 1, S0380: 1, H0518: 1, H0521: 1, H0522: 1, S0044: 1, H0478: 1, S0027: 1, L0754: 1, H0445: 1, S0434: 1, L0485: 1, L0581: 1, L0599: 1, L0362: 1,	
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HNOJR48	1051533	769	34 - 1377	2944			S0194: 1, H0542: 1, H0543: 1, S0384: 1 and H0506: 1.	6p21.3	106300, 108800, 120290, 120290, 120810, 120820, 142857, 142858, 150270, 167250, 170261, 177900, 179450, 201910, 217000, 222100, 233100, 235200, 248611, 256550, 256550, 600202, 600261, 601868, 602280, 602475
							L0748: 10, L0747: 10, L0662: 9, L0596: 7, H0265: 6, L0666: 6, L0758: 6, H0081: 5, L0766: 5, L0665: 5, L0744: 5, L0750: 5, S0418: 4, H0617: 4, H0529: 4, L0659: 4, L0663: 4, H0144: 4, H0547: 4, H0657: 3, H0661: 3, S0046: 3, H0188: 3, H0687: 3, H0135: 3, H0551: 3, S0440: 3, H0647: 3, L0775: 3, L0655: 3, L0664: 3, S0406: 3, L0743: 3, L0740: 3, L0751: 3, L0731: 3, H0445: 3, L0591: 3, H0543: 3, H0423: 3, H0686: 2, S0134: 2, S0420: 2, S0358: 2, H0013: 2, H0635: 2, H0618: 2, S0010: 2, H0545: 2, N0006: 2, L0471: 2, H0622: 2, L0455: 2, H0412: 2,		

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	H0231: 1, H0439: 1, H0150: 1, H0050: 1, H0024: 1, T0010: 1, H0354: 1, H0266: 1, H0615: 1, H0428: 1, L0194: 1, L0483: 1, H0096: 1, T0006: 1, H0031: 1, H0644: 1, L0142: 1, H0181: 1, H0606: 1, L0055: 1, L0456: 1, S0366: 1, H0090: 1, H0591: 1, H0038: 1, H0040: 1, H0087: 1, S0038: 1, H0022: 1, T0041: 1, T0042: 1, S0438: 1, H0509: 1, S0150: 1, H0641: 1, S0344: 1, H0538: 1, S0210: 1, S0422: 1, S0426: 1, L0369: 1, L0762: 1, L0763: 1, L0638: 1, L0372: 1, L0642: 1, L0764: 1, L0521: 1, L0626: 1, L0767: 1, L0768: 1, L0364: 1, L0387: 1, L0386: 1, L0533: 1, L0651: 1, L0633: 1, L0657: 1, L0542: 1, L0518: 1,	
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HKIXH35	1051883	770	2 - 994	2945	Lys-7 to Glu-27, Ser-48 to Gln-53, Gln-58 to Pro-69, Ala-84 to Tyr-93, Ala-114 to Leu-127, Ser-173 to Arg-180, Met-188 to Pro-193, Pro-200 to Leu-205, Ile-228 to Asp-233, Gln-271 to Cys-281, Glu-289 to Cys-304.	L0383: 1, L0528: 1, L0788: 1, L0791: 1, L0532: 1, H0697: 1, H0519: 1, H0593: 1, H0672: 1, H0539: 1, S0152: 1, S0404: 1, H0555: 1, H0436: 1, H0478: 1, H0479: 1, S3014: 1, S0027: 1, L0741: 1, L0745: 1, L0608: 1, L0593: 1, L0601: 1, L0603: 1, H0668: 1, S0026: 1, H0136: 1, S0192: 1 and H0506: 1.		
						L0748: 13, L0758: 5, L0749: 4, L0439: 3, H0441: 2, H0052: 2, H0090: 2, L0774: 2, L0775: 2, L0517: 2, L0666: 2, L0740: 2, L0731: 2, L0759: 2, S0134: 1, L0415: 1, H0318: 1, H0327: 1, H0563: 1, S0050: 1, H0594: 1, H0266: 1, H0252: 1, H0644: 1, H0135: 1, H0616: 1, H0264: 1, S0438: 1, L0369: 1, L0763: 1.		

HHEB192	1051903	771	67 - 2094	2946	His-152 to Lys-160, Gly-276 to Ser-281, Ser-376 to Asp-383, Arg-389 to Gly-400, Ala-512 to Ser-529, Asp-576 to Thr-581, Gly-619 to Asp-624.	L0796: 1, L0662: 1, L0804: 1, L0375: 1, L0787: 1, S0428: 1, H0593: 1, H0689: 1, H0436: 1, L0743: 1, L0754: 1 and L0603: 1, AR089: 8, AR053: 6, AR060: 6, AR096: 5, AR039: 5, AR055: 4, AR104: 4, AR033: 4, AR061: 2, AR052: 0, H0717: 14, H0703: 14, H0699: 9, H0716: 8, H0685: 7, H0730: 7, H0688: 6, H0729: 5, H0687: 5, H0622: 4, H0424: 4, H0684: 4, H0670: 4, S0356: 3, S0376: 3, H0728: 3, L0163: 3, H0615: 3, H0039: 3, H0494: 3, H0724: 3, H0689: 3, H0683: 3, H0709: 3, H0694: 3, L0751: 3, H0624: 2, H0171: 2, H0686: 2, H0713: 2, H0663: 2, S0358: 2, H0722: 2, H0036: 2, H0100: 2, H0695: 2, H0725: 2, H0723: 2,	1q32	114208, 114208, 119300, 120620, 120620, 120920, 134370, 134370, 134370, 134580, 145260, 150310, 150310, 179820, 191045, 600105, 600759, 601494, 601975
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								L0740: 1, L0754: 1, L0779: 1, L0777: 1, L0731: 1, S0394: 1, S0460: 1 and H0677: 1.			
HPTGB84	1051953	772	793 - 200	2947	Phe-59 to Glu-68, Lys-105 to Gly-111.			H0660: 3, S0358: 2, L0755: 2, L0759: 2, H0624: 1, S0040: 1, S0342: 1, H0484: 1, H0638: 1, H0550: 1, H0486: 1, H0427: 1, H0706: 1, S0010: 1, S0182: 1, H0012: 1, H0405: 1, H0673: 1, H0488: 1, H0059: 1, T0042: 1, H0494: 1, S0150: 1, H0647: 1, S0144: 1, L0772: 1, L0766: 1, H0520: 1, H0547: 1, H0435: 1, H0214: 1, S3012: 1, L0750: 1, L0777: 1, L0758: 1, H0445: 1, L0601: 1 and S0276: 1.			154275, 162200, 162200, 182138, 239100, 600881, 601954,
HVCCD05	1051983	773	3 - 968	2948				H0666: 440, H0660: 3, H0309: 1, L0471: 1, H0328: 1, H0383: 1, L0769: 1, L0789: 1 and S0152: 1.	17q11.2		



HPYSC40	1052158	774	2 - 583	2949	Ile-1 to Pro-10, Pro-36 to Glu-43, Arg-92 to Cys-98, Glu-106 to Lys-115, Pro-174 to Leu-179.	L0751: 11, L0777: 9, L0809: 6, H0100: 4, H0112: 3, L0783: 3, L0747: 3, H0644: 2, H0670: 2, L0755: 2, S0040: 1, H0013: 1, H0031: 1, L0794: 1, H0144: 1 and L0759: 1.	9q34	125270, 125270, 128100, 137350, 191100, 215700, 223360, 268900, 601850
HDDMT56	1052261	775	155 - 844	2950	Pro-8 to Asp-23, Leu-27 to Ser-38, Thr-40 to Arg-69, Arg-73 to Asp-97, Asp-108 to Asp-126, Glu-135 to Ile-159, Pro-176 to Ala-181, Lys-184 to Asp-192, Val-202 to Arg-210, Thr-215 to His-221.	H0641: 1, L0775: 1 and H0659: 1.		
HVVAW02	1052553	776	2 - 652	2951	Ala-1 to Ala-8, Pro-26 to Tyr-32, Gly-48 to Pro-53, Asp-132 to Gly-137, Val-139 to Leu-144, Lys-165 to Gly-171, Ser-191 to Ala-198.	S0358: 6, L0748: 5, L0777: 5, H0171: 4, H0341: 4, S0408: 4, H0597: 4, H0620: 4, L0754: 4, L0749: 4, S0360: 3, H0596: 3, H0545: 3, H0494: 3, S0210: 3, L0769: 3, S0374: 3, H0659: 3,	7q21.1	129900, 154276, 171050, 171060, 602136, 602136, 602136, 602447



	S0003: 1, T0006: 1, H0031: 1, H0628: 1, H0673: 1, H0068: 1, H0598: 1, H0163: 1, H0090: 1, H0040: 1, H0551: 1, H0412: 1, L0370: 1, H0641: 1, H0647: 1, L0520: 1, L0762: 1, L0770: 1, L0667: 1, L0764: 1, L0521: 1, L0794: 1, L0766: 1, L0650: 1, L0774: 1, L0775: 1, L0376: 1, L0806: 1, L0653: 1, L0776: 1, L0659: 1, L0540: 1, L0384: 1, L0383: 1, L0792: 1, H0520: 1, H0519: 1, H0689: 1, H0682: 1, H0666: 1, H0648: 1, H0672: 1, S0380: 1, H0518: 1, H0521: 1, H0522: 1, S0404: 1, S0406: 1, H0187: 1, L0612: 1, L0750: 1, L0731: 1, L0759: 1, L0588: 1, L0366: 1, H0136: 1, S0192: 1, S0194: 1, H0543: 1 and H0422: 1.					
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HOGCS42	1052557	777	223 - 852	2952	Gly-156 to Met-161, Cys-186 to Lys-197.	AR039: 7, AR052: 6, AR089: 5, AR033: 4, AR104: 3, AR053: 3, AR096: 3, AR055: 3, AR061: 3, AR060: 2 S0358: 15, H0622: 15, S0354: 14, S0360: 11, H0435: 11, S0356: 9, H0039: 9, L0666: 9, L0751: 9, H0553: 8, H0506: 8, H0689: 7, L0748: 7, H0661: 6, L0659: 6, L0665: 6, S0376: 5, L0743: 5, H0484: 4, H0483: 4, H0059: 4, L0764: 4, L0771: 4, L0662: 4, L0809: 4, S0330: 4, H0615: 3, H0688: 3, H0040: 3, L0763: 3, L0364: 3, L0774: 3, L0663: 3, H0683: 3, H0670: 3, H0672: 3, L0750: 3, L0731: 3, H0663: 2, H0549: 2, H0046: 2, H0014: 2, H0124: 2, H0494: 2, S0450: 2, L0374: 2, L0765: 2, L0804: 2, L0378: 2, L0653: 2,		
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	L0529: 2, H0593: 2, H0658: 2, S0152: 2, L0439: 2, L0779: 2, L0601: 2, H0294: 1, S0430: 1, H0675: 1, H0676: 1, H0370: 1, H0587: 1, H0642: 1, T0109: 1, H0204: 1, L0040: 1, L0738: 1, H0620: 1, H0024: 1, H0356: 1, H0375: 1, L0194: 1, T0023: 1, L0483: 1, H0033: 1, H0424: 1, H0644: 1, H0264: 1, H0488: 1, H0413: 1, H0334: 1, S0352: 1, S0306: 1, S0440: 1, H0647: 1, H0646: 1, H0652: 1, L0373: 1, L0646: 1, L0648: 1, L0803: 1, L0375: 1, L0376: 1, L0806: 1, L0658: 1, L0382: 1, L0528: 1, L0664: 1, S0374: 1, H0690: 1, H0682: 1, H0648: 1, S0328: 1, H0478: 1, S0432: 1, L0744: 1, L0754: 1, L0747: 1, L0749: 1,	
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HAZAA59	1052593	778	29 - 745	2953	L0755: 1, L0759: 1, L0596: 1, H0543: 1, S0462: 1 and H0352: 1.  S0358: 4, L0752: 4, H0012: 3, H0266: 3, L0740: 3, L0731: 3, H0615: 2, L0772: 2, L0776: 2, L0565: 2, L0605: 2, L0608: 2, L0362: 2, H0423: 2, H0556: 1, S0114: 1, S0134: 1, H0341: 1, H0255: 1, H0664: 1, H0638: 1, S0356: 1, H0676: 1, H0441: 1, H0392: 1, H0613: 1, H0333: 1, H0632: 1, L0021: 1, S0049: 1, H0251: 1, H0327: 1, H0572: 1, L0471: 1, H0271: 1, H0252: 1, T0023: 1, H0135: 1, H0591: 1, H0560: 1, S0150: 1, L0637: 1, L3904: 1, L0764: 1, L0364: 1, L0803: 1, L0661: 1, L0647: 1, L0790: 1, L0663: 1, H0144: 1, S0374: 1, H0547: 1, H0690: 1,		
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